

# HOLWORX<sup>®</sup>

## WORKSHOP SPRAYS.

### *SAFETY DATA SHEETS.*

**SP000658 - Daily Workshop Cleaning Bundle.**



**Safety Data Sheet**

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Reference number: SDS00004  
Issue date: 12/22/2025 Version: 1.0

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture  
Product name : HRM0164 BRAKE & CLUTCH CLEANER 400ML  
Type of product : Detergent  
Vaporizer : Aerosol

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Main use category : Consumer use, Professional use  
Use of the substance/mixture : Brake cleaners

**1.2.2. Uses advised against**

No additional information available

**1.3. Details of the supplier of the safety data sheet**

HTS Spares Ltd  
Rotherwas Industrial Estate  
7 Beacon Rd  
HR2 6JF – Hereford  
T 01432 373350  
[www.htsspares.com](http://www.htsspares.com)

**1.4. Emergency telephone number**

| Country        | Organisation/Company   | Address                | Emergency number | Comment                           |
|----------------|--|------------------------|------------------|-----------------------------------|
| United Kingdom | NHS 111/NHS 24/NHS Direct  |                        | 111<br>0845 4647 | or call a doctor                  |
| United Kingdom | National Poisons Information Service<br>(Birmingham Centre)<br>City Hospital | Dudley Road<br>B18 7QH | 0344 892 0111    | Only for healthcare professionals |

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Aerosol, Category 1 H222;H229  
Skin corrosion/irritation, Category 2 H315  
Specific target organ toxicity – Single exposure, Category 3, H336  
Narcosis  
Hazardous to the aquatic environment – Chronic Hazard, H411  
Category 2  
Full text of H- and EUH-statements: see section 16

**Adverse physicochemical, human health and environmental effects**

Pressurised container: May burst if heated. Extremely flammable aerosol.

# HRM0164 BRAKE & CLUTCH CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS02

GHS07

GHS09

Signal word (CLP)

: Danger

Contains

: N-HEXANE; HYDROCARBONS C6-C7, N-ALKANES, ISOALKANES, CYCLICS; PROPAN-2-OL

Hazard statements (CLP)

: H222 - Extremely flammable aerosol.  
H229 - Pressurised container: May burst if heated.  
H315 - Causes skin irritation.  
H336 - May cause drowsiness or dizziness.

Precautionary statements (CLP)

: P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C.  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 - Do not spray on an open flame or other ignition source.  
P251 - Do not pierce or burn, even after use.  
P261 - Avoid breathing vapours, spray.  
P271 - Use only outdoors or in a well-ventilated area.  
P280 - Wear protective gloves.  
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P405 - Store locked up.  
Dispose of in accordance with relevant local regulations.  
P102 - Keep out of reach of children.

### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name  | Product identifier   | %                | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |
|---|--|------------------|--|
| PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS<br>substance with national workplace exposure limit(s) (GB) | CAS-No.: 68476-85-7<br>EC-No.: 270-704-2<br>REACH-no: 2119463258-33-XXXX | $\geq 50$        | Flam. Gas 1A, H220<br>Press. Gas (Liq.), H280  |
| HYDROCARBONS C6-C7, N-ALKANES, ISOALKANES, CYCLICS  | EC-No.: 921-024-6 PART*  | $\geq 20 - < 50$ | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411 |

# HRM0164 BRAKE & CLUTCH CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Name  | Product identifier                     | %         | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|---|--|-----------|---|
| PROPAN-2-OL<br>substance with national workplace exposure limit(s) (GB)   | CAS-No.: 67-63-0<br>EC-No.: 200-661-7  | ≥ 1 – < 5 | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336   |
| N-HEXANE<br>substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit | CAS-No.: 110-54-3<br>EC-No.: 203-777-6 | < 5       | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>Repr. 2, H361f<br>STOT SE 3, H336<br>STOT RE 2, H373<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411 |

Product subject to CLP Article 1.1.3.7. The disclosure rules of the components is modified in this case.

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : IF exposed or concerned: Get medical advice/attention.   |
| First-aid measures after inhalation   | : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  |
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.  |
| First-aid measures after eye contact  | : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion    | : Do NOT induce vomiting.  |

### 4.2. Most important symptoms and effects, both acute and delayed

|                                     |  |
|-------------------------------------|--|
| Symptoms/effects after inhalation   | : Inhalation may cause irritation (cough, short breathing, difficulty in breathing). |
| Symptoms/effects after skin contact | : Contact with the liquefied gas may cause frostbite.                                |
| Symptoms/effects after eye contact  | : May cause eye irritation.  |
| Symptoms/effects after ingestion    | : Risk of lung oedema. May cause irritation to the digestive tract.                  |

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. If swallowed, seek medical advice immediately and show this container or label.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                |   |
|--------------------------------|---|
| Suitable extinguishing media   | : Dry powder. Foam. Carbon dioxide. Water fog.                  |
| Unsuitable extinguishing media | : Do not use a water jet since it may cause the fire to spread. |

### 5.2. Special hazards arising from the substance or mixture

|  |   |
|--|---|
| Fire hazard                                      | : Extremely flammable aerosol.  |
| Explosion hazard                                 | : Pressurised container: May burst if heated. May form flammable/explosive vapour-air mixture. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours. |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released.  |

### 5.3. Advice for firefighters

|                                |  |
|--------------------------------|--|
| Precautionary measures fire    | : Eliminate all ignition sources if safe to do so. Evacuate area. Fight fire remotely due to the risk of explosion. Cool down the containers exposed to heat with a water spray. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.   |

# HRM0164 BRAKE & CLUTCH CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Protective equipment : Ensure there is adequate ventilation.  
Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

For containment : Remove all sources of ignition.  
Methods for cleaning up : Absorb remaining liquid with sand or inert absorbent and remove to safe place.  
Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store in a well-ventilated place. Keep cool.

#### 7.3. Specific end use(s)

For further information refer to section 1.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

| PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS (68476-85-7) |                         |
|--|-------------------------|
| United Kingdom - Occupational Exposure Limits          |                         |
| Local name   | Liquefied petroleum gas |
| WEL TWA (OEL TWA) [1]                                  | 1750 mg/m <sup>3</sup>  |
| WEL TWA (OEL TWA) [2]                                  | 1000 ppm                |
| WEL STEL (OEL STEL)                                    | 2180 mg/m <sup>3</sup>  |
| WEL STEL (OEL STEL) [ppm]                              | 1250 ppm                |

# HRM0164 BRAKE & CLUTCH CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS (68476-85-7) |  |
|--|--|
| Remark   | Carc (Capable of causing cancer and/or heritable genetic damage (only applies if LPG contains more than 0.1% of buta-1,3-diene)) |
| Regulatory reference                                   | EH40/2005 (Fourth edition, 2020). HSE  |
| N-HEXANE (110-54-3)                                    |  |
| EU - Indicative Occupational Exposure Limit (IOEL)     |  |
| Local name   | n-Hexane   |
| IOEL TWA   | 72 mg/m <sup>3</sup>   |
| IOEL TWA [ppm]   | 20 ppm   |
| Regulatory reference                                   | COMMISSION DIRECTIVE 2006/15/EC  |
| United Kingdom - Occupational Exposure Limits          |  |
| Local name   | n-Hexane   |
| WEL TWA (OEL TWA) [1]                                  | 72 mg/m <sup>3</sup>   |
| WEL TWA (OEL TWA) [2]                                  | 20 ppm   |
| Regulatory reference                                   | EH40/2005 (Fourth edition, 2020). HSE  |
| PROPAN-2-OL (67-63-0)                                  |  |
| United Kingdom - Occupational Exposure Limits          |  |
| Local name   | Propan-2-ol  |
| WEL TWA (OEL TWA) [1]                                  | 999 mg/m <sup>3</sup>  |
| WEL TWA (OEL TWA) [2]                                  | 400 ppm  |
| WEL STEL (OEL STEL)                                    | 1250 mg/m <sup>3</sup>   |
| WEL STEL (OEL STEL) [ppm]                              | 500 ppm  |
| Regulatory reference                                   | EH40/2005 (Fourth edition, 2020). HSE  |

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



# HRM0164 BRAKE & CLUTCH CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 8.2.2.1. Eye and face protection

#### Eye protection:

Safety glasses

| Eye protection |                      |                 |          |
|----------------|----------------------|-----------------|----------|
| Type           | Field of application | Characteristics | Standard |
| Safety goggles | Droplet              | Plastic         | EN 166   |

### 8.2.2.2. Skin protection

#### Skin and body protection:

Wear suitable protective clothing

#### Hand protection:

Protective gloves

| Hand protection   |   |            |                |             |          |
|-------------------|---|------------|----------------|-------------|----------|
| Type              | Material  | Permeation | Thickness (mm) | Penetration | Standard |
| Disposable gloves | Nitrile rubber (NBR),<br>Neoprene rubber (HNBR) |            |                |             | EN 374-2 |

### 8.2.2.3. Respiratory protection

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|   |   |
|---|---|
| Physical state                                  | : Liquid                                      |
| Colour  | : Colourless.                                 |
| Appearance                                      | : Aerosol.                                    |
| Odour   | : Not available                               |
| Odour threshold                                 | : Not available                               |
| Melting point                                   | : Not applicable                              |
| Freezing point                                  | : Not available                               |
| Boiling point                                   | : Not available                               |
| Flammability                                    | : Extremely flammable aerosol.                |
| Explosive properties                            | : Pressurised container: May burst if heated. |
| Lower explosion limit                           | : Not available                               |
| Upper explosion limit                           | : Not available                               |
| Flash point                                     | : < -40 °C                                    |
| Auto-ignition temperature                       | : Not available                               |
| Decomposition temperature                       | : Not available                               |
| pH  | : Not available                               |
| Viscosity, kinematic                            | : < 22 mm <sup>2</sup> /s                     |
| Solubility                                      | : Not available                               |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                               |
| Vapour pressure                                 | : Not available                               |
| Vapour pressure at 50°C                         | : Not available                               |
| Density   | : Not available                               |
| Relative density                                | : Not available                               |

# HRM0164 BRAKE & CLUTCH CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Relative vapour density at 20°C : Not available  
Particle characteristics : Not applicable

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

% of flammable ingredients : 100 %

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Extremely flammable aerosol. Pressurised container: May burst if heated.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition. Direct sunlight.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified  
Skin corrosion/irritation : Causes skin irritation.  
Serious eye damage/irritation : Not classified  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : May cause drowsiness or dizziness.

#### N-HEXANE (110-54-3)

|                      |                                    |
|----------------------|------------------------------------|
| STOT-single exposure | May cause drowsiness or dizziness. |
|----------------------|------------------------------------|

#### HYDROCARBONS C6-C7, N-ALKANES, ISOALKANES, CYCLICS

|                      |                                    |
|----------------------|------------------------------------|
| STOT-single exposure | May cause drowsiness or dizziness. |
|----------------------|------------------------------------|

#### PROPAN-2-OL (67-63-0)

|                      |                                    |
|----------------------|------------------------------------|
| STOT-single exposure | May cause drowsiness or dizziness. |
|----------------------|------------------------------------|

STOT-repeated exposure : Not classified

# HRM0164 BRAKE & CLUTCH CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS (68476-85-7)

LOAEC (inhalation, rat, gas, 90 days)

12000 ppm Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:

### N-HEXANE (110-54-3)

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

### HRM0164 BRAKE & CLUTCH CLEANER 400ML

Vaporizer

Aerosol

Viscosity, kinematic

< 22 mm<sup>2</sup>/s

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Harmful to aquatic life.  
Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.  
Not rapidly degradable

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

Other adverse effects : Volatile Organic Compounds (VOC).

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Comply with local regulations for disposal.

# HRM0164 BRAKE & CLUTCH CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

HP Code

- : HP3 - "Flammable:"  
 – flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;  
 – flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;  
 – flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;  
 – flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;  
 – water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;  
 – other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.  
 HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration.  
 HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.  
 HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR   | IMDG  | IATA  | ADN  | RID  |
|---|---|---|--|--|
| <b>14.1. UN number or ID number</b>                   |   |   |  |  |
| UN 1950   | UN 1950   | UN 1950   | UN 1950  | UN 1950  |
| <b>14.2. UN proper shipping name</b>                  |   |   |  |  |
| AEROSOLS  | AEROSOLS  | Aerosols, flammable   | AEROSOLS   | AEROSOLS   |
| <b>Transport document description</b>                 |   |   |  |  |
| UN 1950 AEROSOLS, 2.1, (D), ENVIRONMENTALLY HAZARDOUS | UN 1950 AEROSOLS, 2.1, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS | UN 1950 Aerosols, flammable, 2.1, ENVIRONMENTALLY HAZARDOUS | UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS | UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS |
| <b>14.3. Transport hazard class(es)</b>               |   |   |  |  |
| 2.1   | 2.1   | 2.1   | 2.1  | 2.1  |
|   |   |   |  |  |
| <b>14.4. Packing group</b>                            |   |   |  |  |
| Not applicable  | Not applicable  | Not applicable  | Not applicable                                   | Not applicable                                   |
| <b>14.5. Environmental hazards</b>                    |   |   |  |  |
| Dangerous for the environment: Yes                    | Dangerous for the environment: Yes<br>Marine pollutant: Yes       | Dangerous for the environment: Yes                          | Dangerous for the environment: Yes               | Dangerous for the environment: Yes               |
| No supplementary information available                |   |   |  |  |

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR)

: 5F

Special provisions (ADR)

: 190, 327, 344, 625

# HRM0164 BRAKE & CLUTCH CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

|   |                 |
|---|-----------------|
| Limited quantities (ADR)  | : 1I            |
| Excepted quantities (ADR)   | : E0            |
| Packing instructions (ADR)  | : P207, LP200   |
| Special packing provisions (ADR)  | : PP87, RR6, L2 |
| Mixed packing provisions (ADR)  | : MP9           |
| Transport category (ADR)  | : 2             |
| Special provisions for carriage - Packages (ADR)                        | : V14           |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV9, CV12     |
| Special provisions for carriage - Operation (ADR)                       | : S2            |
| Tunnel restriction code (ADR)   | : D             |

### Transport by sea

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Special provisions (IMDG)         | : 63, 190, 277, 327, 344, 381, 959 |
| Limited quantities (IMDG)         | : SP277                            |
| Excepted quantities (IMDG)        | : E0                               |
| Packing instructions (IMDG)       | : P207, LP200                      |
| Special packing provisions (IMDG) | : PP87, L2                         |
| EmS-No. (Fire)                    | : F-D                              |
| EmS-No. (Spillage)                | : S-U                              |
| Stowage category (IMDG)           | : None                             |
| Stowage and handling (IMDG)       | : SW1, SW22                        |
| Segregation (IMDG)                | : SG69                             |

### Air transport

|  |                    |
|--|--------------------|
| PCA Excepted quantities (IATA)               | : E0               |
| PCA Limited quantities (IATA)                | : Y203             |
| PCA limited quantity max net quantity (IATA) | : 30kgG            |
| PCA packing instructions (IATA)              | : 203              |
| PCA max net quantity (IATA)                  | : 75kg             |
| CAO packing instructions (IATA)              | : 203              |
| CAO max net quantity (IATA)                  | : 150kg            |
| Special provisions (IATA)                    | : A145, A167, A802 |
| ERG code (IATA)                              | : 10L              |

### Inland waterway transport

|                                   |                      |
|-----------------------------------|----------------------|
| Classification code (ADN)         | : 5F                 |
| Special provisions (ADN)          | : 190, 327, 344, 625 |
| Limited quantities (ADN)          | : 1 L                |
| Excepted quantities (ADN)         | : E0                 |
| Equipment required (ADN)          | : PP, EX, A          |
| Ventilation (ADN)                 | : VE01, VE04         |
| Number of blue cones/lights (ADN) | : 1                  |

### Rail transport

|   |                      |
|---|----------------------|
| Classification code (RID)   | : 5F                 |
| Special provisions (RID)  | : 190, 327, 344, 625 |
| Limited quantities (RID)  | : 1L                 |
| Excepted quantities (RID)   | : E0                 |
| Packing instructions (RID)  | : P207, LP200        |
| Special packing provisions (RID)  | : PP87, RR6, L2      |
| Mixed packing provisions (RID)  | : MP9                |
| Transport category (RID)  | : 2                  |
| Special provisions for carriage – Packages (RID)                        | : W14                |
| Special provisions for carriage - Loading, unloading and handling (RID) | : CW9, CW12          |
| Colis express (express parcels) (RID)                                   | : CE2                |
| Hazard identification number (RID)                                      | : 23                 |

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

# HRM0164 BRAKE & CLUTCH CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### 15.1.1. EU-Regulations

###### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

###### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

###### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

###### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

###### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

###### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

###### Detergent Regulation (648/2004)

| Labelling of contents  |      |
|------------------------|------|
| Component              | %    |
| aliphatic hydrocarbons | ≥30% |

###### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

###### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information

| Indication of changes |  |          |          |
|-----------------------|--|----------|----------|
| Section               | Changed item                           | Change   | Comments |
|                       | Supersedes version of                  | Added    |          |
|                       | Revision date                          | Added    |          |
| 1.1                   | UFI on SDS 1.1                         | Added    |          |
| 1.2                   | Main use category                      | Added    |          |
| 2.2                   | Precautionary statements (CLP)         | Modified |          |
| 3                     | Composition/information on ingredients | Modified |          |
| 4.2                   | Symptoms/effects after skin contact    | Modified |          |
| 4.3                   | Other medical advice or treatment      | Modified |          |
| 9.1                   | Colour                                 | Modified |          |

# HRM0164 BRAKE & CLUTCH CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Abbreviations and acronyms: |   |
|-----------------------------|---|
| ADN                         | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR                         | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE                         | Acute Toxicity Estimate   |
| BCF                         | Bioconcentration factor   |
| BLV                         | Biological limit value  |
| BOD                         | Biochemical oxygen demand (BOD)   |
| COD                         | Chemical oxygen demand (COD)  |
| DMEL                        | Derived Minimal Effect level  |
| DNEL                        | Derived-No Effect Level   |
| EC-No.                      | European Community number   |
| EC50                        | Median effective concentration  |
| EN                          | European Standard   |
| IARC                        | International Agency for Research on Cancer   |
| IATA                        | International Air Transport Association   |
| IMDG                        | International Maritime Dangerous Goods  |
| LC50                        | Median lethal concentration   |
| LD50                        | Median lethal dose  |
| LOAEL                       | Lowest Observed Adverse Effect Level  |
| NOAEC                       | No-Observed Adverse Effect Concentration  |
| NOAEL                       | No-Observed Adverse Effect Level  |
| NOEC                        | No-Observed Effect Concentration  |
| OECD                        | Organisation for Economic Co-operation and Development  |
| OEL                         | Occupational Exposure Limit   |
| PBT                         | Persistent Bioaccumulative Toxic  |
| PNEC                        | Predicted No-Effect Concentration   |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail                    |
| SDS                         | Safety Data Sheet   |
| STP                         | Sewage treatment plant  |
| ThOD                        | Theoretical oxygen demand (ThOD)  |
| TLM                         | Median Tolerance Limit  |
| VOC                         | Volatile Organic Compounds  |
| CAS-No.                     | Chemical Abstract Service number  |
| N.O.S.                      | Not Otherwise Specified   |
| vPvB                        | Very Persistent and Very Bioaccumulative  |
| ED                          | Endocrine disrupting properties   |

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Aquatic Chronic 2                   | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |

# HRM0164 BRAKE & CLUTCH CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Full text of H- and EUH-statements: |  |
|-------------------------------------|--|
| Asp. Tox. 1                         | Aspiration hazard, Category 1  |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                          |
| Flam. Gas 1A                        | Flammable gases, Category 1A   |
| Flam. Liq. 2                        | Flammable liquids, Category 2  |
| H220                                | Extremely flammable gas.   |
| H222                                | Extremely flammable aerosol.   |
| H225                                | Highly flammable liquid and vapour.                                    |
| H229                                | Pressurised container: May burst if heated.                            |
| H280                                | Contains gas under pressure; may explode if heated.                    |
| H304                                | May be fatal if swallowed and enters airways.                          |
| H315                                | Causes skin irritation.  |
| H319                                | Causes serious eye irritation.   |
| H336                                | May cause drowsiness or dizziness.                                     |
| H361f                               | Suspected of damaging fertility.                                       |
| H373                                | May cause damage to organs through prolonged or repeated exposure.     |
| H411                                | Toxic to aquatic life with long lasting effects.                       |
| Press. Gas (Liq.)                   | Gases under pressure : Liquefied gas                                   |
| Repr. 2                             | Reproductive toxicity, Category 2                                      |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                                  |
| STOT RE 2                           | Specific target organ toxicity – Repeated exposure, Category 2         |
| STOT SE 3                           | Specific target organ toxicity – Single exposure, Category 3, Narcosis |

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

**Safety Data Sheet**

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Reference number: SDS00201

Issue date: 12/22/2025 Revision date: 12/22/2025 Supersedes version of: 12/22/2025 Version: 1.1

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture  
Product name : HRM0150 ELECTRICAL CLEANER 400ML  
Type of product : Detergent  
Vaporizer : Aerosol

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Use of the substance/mixture : Cleaner  
electrical

**1.2.2. Uses advised against**

No additional information available

**1.3. Details of the supplier of the safety data sheet**

HTS Spares Ltd  
Rotherwas Industrial Estate  
7 Beacon Rd  
HR2 6JF – Hereford  
T 01432 373350  
[www.htsspares.com](http://www.htsspares.com)

**1.4. Emergency telephone number**

| Country        | Organisation/Company   | Address                | Emergency number | Comment                              |
|----------------|--|------------------------|------------------|--------------------------------------|
| United Kingdom | National Poisons Information Service<br>(Birmingham Centre)<br>City Hospital | Dudley Road<br>B18 7QH | 0344 892 0111    | Only for healthcare<br>professionals |
| United Kingdom | NHS 111/NHS 24/NHS Direct  |                        | 111<br>0845 4647 | or call a doctor                     |

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Aerosol, Category 1 H222;H229  
Serious eye damage/eye irritation, Category 2 H319  
Specific target organ toxicity – Single exposure, Category 3, H336  
Narcosis

Full text of H- and EUH-statements: see section 16

**Adverse physicochemical, human health and environmental effects**

Pressurised container: May burst if heated. Extremely flammable aerosol.

**2.2. Label elements****Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) :



# HRM0150 ELECTRICAL CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

|                                |   |
|--------------------------------|---|
| Signal word (CLP)              | : Danger  |
| Contains                       | : PROPAN-2-OL   |
| Hazard statements (CLP)        | : H222 - Extremely flammable aerosol.<br>H229 - Pressurised container: May burst if heated.<br>H319 - Causes serious eye irritation.<br>H336 - May cause drowsiness or dizziness.   |
| Precautionary statements (CLP) | : P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C.<br>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P211 - Do not spray on an open flame or other ignition source.<br>P251 - Do not pierce or burn, even after use.<br>P261 - Avoid breathing spray, vapours.<br>P312 - Call a POISON CENTER, doctor if you feel unwell.<br>P337+P313 - If eye irritation persists: Get medical advice/attention. |

### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name   | Product identifier   | %         | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|--|-----------|---|
| PROPAN-2-OL<br>substance with national workplace exposure limit(s)<br>(GB)                               | CAS-No.: 67-63-0<br>EC-No.: 200-661-7                                    | $\geq 50$ | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336     |
| PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS<br>substance with national workplace exposure limit(s)<br>(GB) | CAS-No.: 68476-85-7<br>EC-No.: 270-704-2<br>REACH-no: 2119463258-33-XXXX | $\geq 50$ | Flam. Gas 1A, H220<br>Press. Gas (Liq.), H280                   |

Product subject to CLP Article 1.1.3.7. The disclosure rules of the components is modified in this case.

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : IF exposed or concerned: Get medical advice/attention.   |
| First-aid measures after inhalation   | : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  |
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.  |
| First-aid measures after eye contact  | : Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion    | : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.   |

# HRM0150 ELECTRICAL CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 4.2. Most important symptoms and effects, both acute and delayed

|                                     |   |
|-------------------------------------|---|
| Symptoms/effects after inhalation   | : May cause drowsiness or dizziness. Inhalation may cause irritation (cough, short breathing, difficulty in breathing). |
| Symptoms/effects after skin contact | : Contact with the liquefied gas may cause frostbite. May cause moderate irritation.                                    |
| Symptoms/effects after eye contact  | : May cause severe irritation. redness, itching, tears. stinging.   |
| Symptoms/effects after ingestion    | : May cause irritation to the digestive tract.  |

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                |   |
|--------------------------------|---|
| Suitable extinguishing media   | : Dry powder. Foam. Carbon dioxide. Water fog.                  |
| Unsuitable extinguishing media | : Do not use a water jet since it may cause the fire to spread. |

### 5.2. Special hazards arising from the substance or mixture

|  |   |
|--|---|
| Fire hazard                                      | : Extremely flammable aerosol.  |
| Explosion hazard                                 | : Pressurised container: May burst if heated. May form flammable/explosive vapour-air mixture. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours. |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released.  |

### 5.3. Advice for firefighters

|                                |  |
|--------------------------------|--|
| Precautionary measures fire    | : Eliminate all ignition sources if safe to do so. Evacuate area. Fight fire remotely due to the risk of explosion. Cool down the containers exposed to heat with a water spray. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.   |

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

|                      |   |
|----------------------|---|
| Protective equipment | : Ensure there is adequate ventilation.                               |
| Emergency procedures | : Ventilate spillage area. No open flames, no sparks, and no smoking. |

#### 6.1.2. For emergency responders

|                      |   |
|----------------------|---|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
|----------------------|---|

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

|                         |  |
|-------------------------|--|
| For containment         | : Remove all sources of ignition.  |
| Methods for cleaning up | : Absorb remaining liquid with sand or inert absorbent and remove to safe place. |
| Other information       | : Dispose of materials or solid residues at an authorized site.                  |

### 6.4. Reference to other sections

For further information refer to section 13.

# HRM0150 ELECTRICAL CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store in a well-ventilated place. Keep cool.

#### 7.3. Specific end use(s)

For further information refer to section 1.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

| PROPAN-2-OL (67-63-0)                                  |  |
|--|--|
| United Kingdom - Occupational Exposure Limits          |  |
| Local name   | Propan-2-ol  |
| WEL TWA (OEL TWA) [1]                                  | 999 mg/m <sup>3</sup>  |
| WEL TWA (OEL TWA) [2]                                  | 400 ppm  |
| WEL STEL (OEL STEL)                                    | 1250 mg/m <sup>3</sup>   |
| WEL STEL (OEL STEL) [ppm]                              | 500 ppm  |
| Regulatory reference                                   | EH40/2005 (Fourth edition, 2020). HSE  |
| PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS (68476-85-7) |  |
| United Kingdom - Occupational Exposure Limits          |  |
| Local name   | Liquefied petroleum gas  |
| WEL TWA (OEL TWA) [1]                                  | 1750 mg/m <sup>3</sup>   |
| WEL TWA (OEL TWA) [2]                                  | 1000 ppm   |
| WEL STEL (OEL STEL)                                    | 2180 mg/m <sup>3</sup>   |
| WEL STEL (OEL STEL) [ppm]                              | 1250 ppm   |
| Remark   | Carc (Capable of causing cancer and/or heritable genetic damage (only applies if LPG contains more than 0.1% of buta-1,3-diene)) |
| Regulatory reference                                   | EH40/2005 (Fourth edition, 2020). HSE  |

##### 8.1.2. Recommended monitoring procedures

No additional information available

##### 8.1.3. Air contaminants formed

No additional information available

##### 8.1.4. DNEL and PNEC

No additional information available

# HRM0150 ELECTRICAL CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Protective goggles (EN 166)

| Eye protection |                      |                 |          |
|----------------|----------------------|-----------------|----------|
| Type           | Field of application | Characteristics | Standard |
| Safety goggles | Droplet              | Plastic         | EN 166   |

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

Protective gloves

| Hand protection   |   |            |                |             |          |
|-------------------|---|------------|----------------|-------------|----------|
| Type              | Material  | Permeation | Thickness (mm) | Penetration | Standard |
| Disposable gloves | Nitrile rubber (NBR),<br>Neoprene rubber (HNBR) |            |                |             | EN 374-2 |

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                 |                  |
|-----------------|------------------|
| Physical state  | : Liquid         |
| Colour          | : Not available  |
| Odour           | : Not available  |
| Odour threshold | : Not available  |
| Melting point   | : Not applicable |
| Freezing point  | : Not available  |

# HRM0150 ELECTRICAL CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

|   |   |
|---|---|
| Boiling point                                   | : Not available                               |
| Flammability                                    | : Extremely flammable aerosol.                |
| Explosive properties                            | : Pressurised container: May burst if heated. |
| Lower explosion limit                           | : Not available                               |
| Upper explosion limit                           | : Not available                               |
| Flash point                                     | : Not applicable                              |
| Auto-ignition temperature                       | : Not available                               |
| Decomposition temperature                       | : Not available                               |
| pH  | : Not available                               |
| Viscosity, kinematic                            | : Not available                               |
| Solubility                                      | : Not available                               |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                               |
| Vapour pressure                                 | : Not available                               |
| Vapour pressure at 50°C                         | : Not available                               |
| Density   | : Not available                               |
| Relative density                                | : Not available                               |
| Relative vapour density at 20°C                 | : Not available                               |
| Particle characteristics                        | : Not applicable                              |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

% of flammable ingredients : 100 %

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Extremely flammable aerosol. Pressurised container: May burst if heated.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition. Direct sunlight.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

|                                   |                                  |
|-----------------------------------|----------------------------------|
| Acute toxicity (oral)             | : Not classified                 |
| Acute toxicity (dermal)           | : Not classified                 |
| Acute toxicity (inhalation)       | : Not classified                 |
| Skin corrosion/irritation         | : Not classified                 |
| Serious eye damage/irritation     | : Causes serious eye irritation. |
| Respiratory or skin sensitisation | : Not classified                 |
| Germ cell mutagenicity            | : Not classified                 |

# HRM0150 ELECTRICAL CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : May cause drowsiness or dizziness.

### PROPAN-2-OL (67-63-0)

STOT-single exposure : May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified

### PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS (68476-85-7)

LOAEC (inhalation, rat, gas, 90 days) : 12000 ppm Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:

Aspiration hazard : Not classified

### HRM0150 ELECTRICAL CLEANER 400ML

Vaporizer : Aerosol

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.  
Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Not classified  
Not rapidly degradable

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

Other adverse effects : Volatile Organic Compounds (VOC).

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Comply with local regulations for disposal.

# HRM0150 ELECTRICAL CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

|         |   |
|---------|---|
| HP Code | : HP3 - "Flammable:"<br>– flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;<br>– flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;<br>– flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;<br>– flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;<br>– water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;<br>– other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.<br>HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye. |
|---------|---|

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR   | IMDG  | IATA  | ADN   | RID   |
|---|---|---|---|---|
| <b>14.1. UN number or ID number</b>   |   |   |   |   |
| UN 1950   | UN 1950   | UN 1950   | UN 1950   | UN 1950   |
| <b>14.2. UN proper shipping name</b>  |   |   |   |   |
| AEROSOLS  | AEROSOLS  | Aerosols, flammable   | AEROSOLS  | AEROSOLS  |
| <b>Transport document description</b>   |   |   |   |   |
| UN 1950 AEROSOLS, 2.1, (D)  | UN 1950 AEROSOLS, 2.1   | UN 1950 Aerosols, flammable, 2.1  | UN 1950 AEROSOLS, 2.1   | UN 1950 AEROSOLS, 2.1   |
| <b>14.3. Transport hazard class(es)</b>   |   |   |   |   |
| 2.1   | 2.1   | 2.1   | 2.1   | 2.1   |
|  |  |  |  |  |
| <b>14.4. Packing group</b>  |   |   |   |   |
| Not applicable  | Not applicable  | Not applicable  | Not applicable  | Not applicable  |
| <b>14.5. Environmental hazards</b>  |   |   |   |   |
| Dangerous for the environment: No   | Dangerous for the environment: No<br>Marine pollutant: No                           | Dangerous for the environment: No   | Dangerous for the environment: No   | Dangerous for the environment: No   |
| No supplementary information available  |   |   |   |   |

### 14.6. Special precautions for user

#### Overland transport

|  |                      |
|--|----------------------|
| Classification code (ADR)                        | : 5F                 |
| Special provisions (ADR)                         | : 190, 327, 344, 625 |
| Limited quantities (ADR)                         | : 1I                 |
| Excepted quantities (ADR)                        | : E0                 |
| Packing instructions (ADR)                       | : P207, LP200        |
| Special packing provisions (ADR)                 | : PP87, RR6, L2      |
| Mixed packing provisions (ADR)                   | : MP9                |
| Transport category (ADR)                         | : 2                  |
| Special provisions for carriage - Packages (ADR) | : V14                |

# HRM0150 ELECTRICAL CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Special provisions for carriage - Loading, unloading and handling (ADR) : CV9, CV12  
Special provisions for carriage - Operation (ADR) : S2  
Tunnel restriction code (ADR) : D

### Transport by sea

Special provisions (IMDG) : 63, 190, 277, 327, 344, 381, 959  
Limited quantities (IMDG) : SP277  
Excepted quantities (IMDG) : E0  
Packing instructions (IMDG) : P207, LP200  
Special packing provisions (IMDG) : PP87, L2  
EmS-No. (Fire) : F-D  
EmS-No. (Spillage) : S-U  
Stowage category (IMDG) : None  
Stowage and handling (IMDG) : SW1, SW22  
Segregation (IMDG) : SG69

### Air transport

PCA Excepted quantities (IATA) : E0  
PCA Limited quantities (IATA) : Y203  
PCA limited quantity max net quantity (IATA) : 30kgG  
PCA packing instructions (IATA) : 203  
PCA max net quantity (IATA) : 75kg  
CAO packing instructions (IATA) : 203  
CAO max net quantity (IATA) : 150kg  
Special provisions (IATA) : A145, A167, A802  
ERG code (IATA) : 10L

### Inland waterway transport

Classification code (ADN) : 5F  
Special provisions (ADN) : 190, 327, 344, 625  
Limited quantities (ADN) : 1 L  
Excepted quantities (ADN) : E0  
Equipment required (ADN) : PP, EX, A  
Ventilation (ADN) : VE01, VE04  
Number of blue cones/lights (ADN) : 1

### Rail transport

Classification code (RID) : 5F  
Special provisions (RID) : 190, 327, 344, 625  
Limited quantities (RID) : 1L  
Excepted quantities (RID) : E0  
Packing instructions (RID) : P207, LP200  
Special packing provisions (RID) : PP87, RR6, L2  
Mixed packing provisions (RID) : MP9  
Transport category (RID) : 2  
Special provisions for carriage – Packages (RID) : W14  
Special provisions for carriage - Loading, unloading and handling (RID) : CW9, CW12  
Colis express (express parcels) (RID) : CE2  
Hazard identification number (RID) : 23

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

# HRM0150 ELECTRICAL CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### 15.1.1. EU-Regulations

###### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

###### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

###### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

###### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

###### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

###### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

###### Detergent Regulation (648/2004)

| Labelling of contents  |      |
|------------------------|------|
| Component              | %    |
| aliphatic hydrocarbons | ≥30% |

###### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

###### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information

| Abbreviations and acronyms: |   |
|-----------------------------|---|
| ADN                         | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR                         | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE                         | Acute Toxicity Estimate   |
| BCF                         | Bioconcentration factor   |
| BLV                         | Biological limit value  |
| BOD                         | Biochemical oxygen demand (BOD)   |
| COD                         | Chemical oxygen demand (COD)  |
| DMEL                        | Derived Minimal Effect level  |
| DNEL                        | Derived-No Effect Level   |
| EC-No.                      | European Community number   |

# HRM0150 ELECTRICAL CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Abbreviations and acronyms: |  |
|-----------------------------|--|
| EC50                        | Median effective concentration   |
| EN                          | European Standard  |
| IARC                        | International Agency for Research on Cancer                                  |
| IATA                        | International Air Transport Association                                      |
| IMDG                        | International Maritime Dangerous Goods                                       |
| LC50                        | Median lethal concentration  |
| LD50                        | Median lethal dose   |
| LOAEL                       | Lowest Observed Adverse Effect Level   |
| NOAEC                       | No-Observed Adverse Effect Concentration                                     |
| NOAEL                       | No-Observed Adverse Effect Level   |
| NOEC                        | No-Observed Effect Concentration   |
| OECD                        | Organisation for Economic Co-operation and Development                       |
| OEL                         | Occupational Exposure Limit  |
| PBT                         | Persistent Bioaccumulative Toxic   |
| PNEC                        | Predicted No-Effect Concentration  |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS                         | Safety Data Sheet  |
| STP                         | Sewage treatment plant   |
| ThOD                        | Theoretical oxygen demand (ThOD)   |
| TLM                         | Median Tolerance Limit   |
| VOC                         | Volatile Organic Compounds   |
| CAS-No.                     | Chemical Abstract Service number   |
| N.O.S.                      | Not Otherwise Specified  |
| vPvB                        | Very Persistent and Very Bioaccumulative                                     |
| ED                          | Endocrine disrupting properties  |

| Full text of H- and EUH-statements: |  |
|-------------------------------------|--|
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                          |
| Flam. Gas 1A                        | Flammable gases, Category 1A   |
| Flam. Liq. 2                        | Flammable liquids, Category 2  |
| H220                                | Extremely flammable gas.   |
| H222                                | Extremely flammable aerosol.   |
| H225                                | Highly flammable liquid and vapour.                                    |
| H229                                | Pressurised container: May burst if heated.                            |
| H280                                | Contains gas under pressure; may explode if heated.                    |
| H319                                | Causes serious eye irritation.   |
| H336                                | May cause drowsiness or dizziness.                                     |
| Press. Gas (Liq.)                   | Gases under pressure : Liquefied gas                                   |
| STOT SE 3                           | Specific target organ toxicity – Single exposure, Category 3, Narcosis |

# HRM0150 ELECTRICAL CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

---

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture  
Product name : HRM0156 DE-GREASER 400ML  
Type of product : Detergent  
Vaporizer : Aerosol

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Use of the substance/mixture : Cleaning, care and maintenance products

**1.2.2. Uses advised against**

No additional information available

**1.3. Details of the supplier of the safety data sheet**

HTS Spares Ltd  
Rotherwas Industrial Estate  
7 Beacon Rd  
HR2 6JF – Hereford  
T 01432 373350  
[www.htsspares.com](http://www.htsspares.com)

**1.4. Emergency telephone number**

| Country        | Organisation/Company   | Address                | Emergency number | Comment                           |
|----------------|--|------------------------|------------------|-----------------------------------|
| United Kingdom | National Poisons Information Service<br>(Birmingham Centre)<br>City Hospital | Dudley Road<br>B18 7QH | 0344 892 0111    | Only for healthcare professionals |
| United Kingdom | NHS 111/NHS 24/NHS Direct  |                        | 111<br>0845 4647 | or call a doctor                  |

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Aerosol, Category 1 H222;H229  
Full text of H- and EUH-statements: see section 16

**Adverse physicochemical, human health and environmental effects**

Pressurised container: May burst if heated. Extremely flammable aerosol.

**2.2. Label elements****Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) :



GHS02

Signal word (CLP) : Danger  
Hazard statements (CLP) : H222 - Extremely flammable aerosol.  
H229 - Pressurised container: May burst if heated.

# HRM0156 DE-GREASER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Precautionary statements (CLP) : P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C.  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 - Do not spray on an open flame or other ignition source.  
P251 - Do not pierce or burn, even after use.  
P261 - Avoid breathing vapours, spray.  
P271 - Use only outdoors or in a well-ventilated area.  
P102 - Keep out of reach of children.  
Dispose of in accordance with relevant local regulations.

### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name  | Product identifier   | %                | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|--|------------------|---|
| PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS<br>substance with national workplace exposure limit(s) (GB) | CAS-No.: 68476-85-7<br>EC-No.: 270-704-2<br>REACH-no: 2119463258-33-XXXX | $\geq 50$        | Flam. Gas 1A, H220<br>Press. Gas (Liq.), H280                   |
| HYDROCARBONS, C11-C14, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS                                  | EC-No.: 926-141-6  | $\geq 20 - < 50$ | Flam. Liq. 3, H226<br>Asp. Tox. 1, H304                         |

Product subject to CLP Article 1.1.3.7. The disclosure rules of the components is modified in this case.

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention.  
First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.  
First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.  
First-aid measures after ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation : Inhalation may cause irritation (cough, short breathing, difficulty in breathing).  
Symptoms/effects after skin contact : Contact with the liquefied gas may cause frostbite. May cause moderate irritation.  
Symptoms/effects after eye contact : May cause eye irritation.  
Symptoms/effects after ingestion : May cause irritation to the digestive tract.

# HRM0156 DE-GREASER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Dry powder. Foam. Carbon dioxide. Water fog.  
Unsuitable extinguishing media : Do not use a water jet since it may cause the fire to spread.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Extremely flammable aerosol.  
Explosion hazard : Pressurised container: May burst if heated. May form flammable/explosive vapour-air mixture. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours.  
Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Advice for firefighters

Precautionary measures fire : Eliminate all ignition sources if safe to do so. Evacuate area. Fight fire remotely due to the risk of explosion. Cool down the containers exposed to heat with a water spray.  
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Protective equipment : Ensure there is adequate ventilation.  
Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

For containment : Remove all sources of ignition.  
Methods for cleaning up : Absorb remaining liquid with sand or inert absorbent and remove to safe place.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

# HRM0156 DE-GREASER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store in a well-ventilated place. Keep cool.

### 7.3. Specific end use(s)

For further information refer to section 1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

| PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS (68476-85-7) |  |
|--|--|
| United Kingdom - Occupational Exposure Limits          |  |
| Local name   | Liquefied petroleum gas  |
| WEL TWA (OEL TWA) [1]                                  | 1750 mg/m <sup>3</sup>   |
| WEL TWA (OEL TWA) [2]                                  | 1000 ppm   |
| WEL STEL (OEL STEL)                                    | 2180 mg/m <sup>3</sup>   |
| WEL STEL (OEL STEL) [ppm]                              | 1250 ppm   |
| Remark   | Carc (Capable of causing cancer and/or heritable genetic damage (only applies if LPG contains more than 0.1% of buta-1,3-diene)) |
| Regulatory reference                                   | EH40/2005 (Fourth edition, 2020). HSE  |

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



##### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses

# HRM0156 DE-GREASER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Eye protection |                      |                 |          |
|----------------|----------------------|-----------------|----------|
| Type           | Field of application | Characteristics | Standard |
| Safety goggles | Droplet              | Plastic         | EN 166   |

### 8.2.2.2. Skin protection

#### Skin and body protection:

Wear suitable protective clothing

#### Hand protection:

Protective gloves

| Hand protection   |   |            |                |             |          |
|-------------------|---|------------|----------------|-------------|----------|
| Type              | Material  | Permeation | Thickness (mm) | Penetration | Standard |
| Disposable gloves | Nitrile rubber (NBR),<br>Neoprene rubber (HNBR) |            |                |             | EN 374-2 |

### 8.2.2.3. Respiratory protection

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|   |  |
|---|--|
| Physical state                                  | : Liquid   |
| Colour  | : Not available  |
| Appearance                                      | : Aerosol.   |
| Odour   | : Not available  |
| Odour threshold                                 | : Not available  |
| Melting point                                   | : Not applicable   |
| Freezing point                                  | : Not available  |
| Boiling point                                   | : Not available  |
| Flammability                                    | : Extremely flammable aerosol.                                       |
| Explosive properties                            | : Pressurised container: May burst if heated.                        |
| Lower explosion limit                           | : Not available  |
| Upper explosion limit                           | : Not available  |
| Flash point                                     | : < -40 °C Data stated for propellant.                               |
| Auto-ignition temperature                       | : 410 – 580 °C Data stated for propellant.                           |
| Decomposition temperature                       | : Not available  |
| pH  | : Not available  |
| Viscosity, kinematic                            | : Not available  |
| Solubility                                      | : Not available  |
| Partition coefficient n-octanol/water (Log Kow) | : Not available  |
| Vapour pressure                                 | : 590 – 1760 hPa @45 degrees Centigrade. Data stated for propellant. |
| Vapour pressure at 50°C                         | : Not available  |
| Density   | : Not available  |
| Relative density                                | : Not available  |
| Relative vapour density at 20°C                 | : Not available  |
| Particle characteristics                        | : Not applicable   |

# HRM0156 DE-GREASER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

% of flammable ingredients : 98.1 %

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Extremely flammable aerosol. Pressurised container: May burst if heated.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition. Direct sunlight.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

|                                   |                  |
|-----------------------------------|------------------|
| Acute toxicity (oral)             | : Not classified |
| Acute toxicity (dermal)           | : Not classified |
| Acute toxicity (inhalation)       | : Not classified |
| Skin corrosion/irritation         | : Not classified |
| Serious eye damage/irritation     | : Not classified |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity            | : Not classified |
| Carcinogenicity                   | : Not classified |
| Reproductive toxicity             | : Not classified |
| STOT-single exposure              | : Not classified |
| STOT-repeated exposure            | : Not classified |

### PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS (68476-85-7)

|                                       |   |
|---------------------------------------|---|
| LOAEC (inhalation, rat, gas, 90 days) | 12000 ppm Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other: |
|---------------------------------------|---|

Aspiration hazard : Not classified

### HRM0156 DE-GREASER 400ML

|           |         |
|-----------|---------|
| Vaporizer | Aerosol |
|-----------|---------|

### HYDROCARBONS, C11-C14, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

|                      |                            |
|----------------------|----------------------------|
| Viscosity, kinematic | 2 – 3.5 mm <sup>2</sup> /s |
|----------------------|----------------------------|

# HRM0156 DE-GREASER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : None known

#### 11.2.2. Other information

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.  
Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Not classified  
Not rapidly degradable

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

Other adverse effects : Volatile Organic Compounds (VOC).

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Comply with local regulations for disposal.

# HRM0156 DE-GREASER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

|         |   |
|---------|---|
| HP Code | : HP3 - "Flammable:"<br>– flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;<br>– flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;<br>– flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;<br>– flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;<br>– water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;<br>– other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.<br>HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration. |
|---------|---|

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR   | IMDG  | IATA  | ADN   | RID   |
|---|---|---|---|---|
| <b>14.1. UN number or ID number</b>   |   |   |   |   |
| UN 1950   | UN 1950   | UN 1950   | UN 1950   | UN 1950   |
| <b>14.2. UN proper shipping name</b>  |   |   |   |   |
| AEROSOLS  | AEROSOLS  | Aerosols, flammable   | AEROSOLS  | AEROSOLS  |
| <b>Transport document description</b>   |   |   |   |   |
| UN 1950 AEROSOLS, 2.1, (D)  | UN 1950 AEROSOLS, 2.1   | UN 1950 Aerosols, flammable, 2.1  | UN 1950 AEROSOLS, 2.1   | UN 1950 AEROSOLS, 2.1   |
| <b>14.3. Transport hazard class(es)</b>   |   |   |   |   |
| 2.1   | 2.1   | 2.1   | 2.1   | 2.1   |
|  |  |  |  |  |
| <b>14.4. Packing group</b>  |   |   |   |   |
| Not applicable  | Not applicable  | Not applicable  | Not applicable  | Not applicable  |
| <b>14.5. Environmental hazards</b>  |   |   |   |   |
| Dangerous for the environment: No   | Dangerous for the environment: No<br>Marine pollutant: No                           | Dangerous for the environment: No   | Dangerous for the environment: No   | Dangerous for the environment: No   |
| No supplementary information available  |   |   |   |   |

### 14.6. Special precautions for user

#### Overland transport

|                                  |                      |
|----------------------------------|----------------------|
| Classification code (ADR)        | : 5F                 |
| Special provisions (ADR)         | : 190, 327, 344, 625 |
| Limited quantities (ADR)         | : 1I                 |
| Excepted quantities (ADR)        | : E0                 |
| Packing instructions (ADR)       | : P207, LP200        |
| Special packing provisions (ADR) | : PP87, RR6, L2      |
| Mixed packing provisions (ADR)   | : MP9                |
| Transport category (ADR)         | : 2                  |

# HRM0156 DE-GREASER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Special provisions for carriage - Packages (ADR) : V14  
Special provisions for carriage - Loading, unloading and handling (ADR) : CV9, CV12  
Special provisions for carriage - Operation (ADR) : S2  
Tunnel restriction code (ADR) : D

### Transport by sea

Special provisions (IMDG) : 63, 190, 277, 327, 344, 381, 959  
Limited quantities (IMDG) : SP277  
Excepted quantities (IMDG) : E0  
Packing instructions (IMDG) : P207, LP200  
Special packing provisions (IMDG) : PP87, L2  
EmS-No. (Fire) : F-D  
EmS-No. (Spillage) : S-U  
Stowage category (IMDG) : None  
Stowage and handling (IMDG) : SW1, SW22  
Segregation (IMDG) : SG69

### Air transport

PCA Excepted quantities (IATA) : E0  
PCA Limited quantities (IATA) : Y203  
PCA limited quantity max net quantity (IATA) : 30kgG  
PCA packing instructions (IATA) : 203  
PCA max net quantity (IATA) : 75kg  
CAO packing instructions (IATA) : 203  
CAO max net quantity (IATA) : 150kg  
Special provisions (IATA) : A145, A167, A802  
ERG code (IATA) : 10L

### Inland waterway transport

Classification code (ADN) : 5F  
Special provisions (ADN) : 190, 327, 344, 625  
Limited quantities (ADN) : 1 L  
Excepted quantities (ADN) : E0  
Equipment required (ADN) : PP, EX, A  
Ventilation (ADN) : VE01, VE04  
Number of blue cones/lights (ADN) : 1

### Rail transport

Classification code (RID) : 5F  
Special provisions (RID) : 190, 327, 344, 625  
Limited quantities (RID) : 1L  
Excepted quantities (RID) : E0  
Packing instructions (RID) : P207, LP200  
Special packing provisions (RID) : PP87, RR6, L2  
Mixed packing provisions (RID) : MP9  
Transport category (RID) : 2  
Special provisions for carriage – Packages (RID) : W14  
Special provisions for carriage - Loading, unloading and handling (RID) : CW9, CW12  
Colis express (express parcels) (RID) : CE2  
Hazard identification number (RID) : 23

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

# HRM0156 DE-GREASER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### 15.1.1. EU-Regulations

###### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

###### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

###### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

###### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

###### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

###### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

###### Detergent Regulation (648/2004)

| Labelling of contents                      |      |
|--|------|
| Component                                  | %    |
| aliphatic hydrocarbons                     | ≥30% |
| anionic surfactants, non-ionic surfactants | <5%  |

###### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

###### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information

| Abbreviations and acronyms: |   |
|-----------------------------|---|
| ADN                         | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR                         | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE                         | Acute Toxicity Estimate   |
| BCF                         | Bioconcentration factor   |
| BLV                         | Biological limit value  |
| BOD                         | Biochemical oxygen demand (BOD)   |
| COD                         | Chemical oxygen demand (COD)  |
| DMEL                        | Derived Minimal Effect level  |
| DNEL                        | Derived-No Effect Level   |

# HRM0156 DE-GREASER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Abbreviations and acronyms: |  |
|-----------------------------|--|
| EC-No.                      | European Community number  |
| EC50                        | Median effective concentration   |
| EN                          | European Standard  |
| IARC                        | International Agency for Research on Cancer                                  |
| IATA                        | International Air Transport Association                                      |
| IMDG                        | International Maritime Dangerous Goods                                       |
| LC50                        | Median lethal concentration  |
| LD50                        | Median lethal dose   |
| LOAEL                       | Lowest Observed Adverse Effect Level   |
| NOAEC                       | No-Observed Adverse Effect Concentration                                     |
| NOAEL                       | No-Observed Adverse Effect Level   |
| NOEC                        | No-Observed Effect Concentration   |
| OECD                        | Organisation for Economic Co-operation and Development                       |
| OEL                         | Occupational Exposure Limit  |
| PBT                         | Persistent Bioaccumulative Toxic   |
| PNEC                        | Predicted No-Effect Concentration  |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS                         | Safety Data Sheet  |
| STP                         | Sewage treatment plant   |
| ThOD                        | Theoretical oxygen demand (ThOD)   |
| TLM                         | Median Tolerance Limit   |
| VOC                         | Volatile Organic Compounds   |
| CAS-No.                     | Chemical Abstract Service number   |
| N.O.S.                      | Not Otherwise Specified  |
| vPvB                        | Very Persistent and Very Bioaccumulative                                     |
| ED                          | Endocrine disrupting properties  |

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Asp. Tox. 1                         | Aspiration hazard, Category 1                       |
| Flam. Gas 1A                        | Flammable gases, Category 1A                        |
| Flam. Liq. 3                        | Flammable liquids, Category 3                       |
| H220                                | Extremely flammable gas.                            |
| H222                                | Extremely flammable aerosol.                        |
| H226                                | Flammable liquid and vapour.                        |
| H229                                | Pressurised container: May burst if heated.         |
| H280                                | Contains gas under pressure; may explode if heated. |
| H304                                | May be fatal if swallowed and enters airways.       |
| Press. Gas (Liq.)                   | Gases under pressure : Liquefied gas                |

The classification complies with : ATP 12

# HRM0156 DE-GREASER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

---

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

**Safety Data Sheet**

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Reference number: SDS00182  
Issue date: 12/22/2025 Version: 1.1

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture  
Product name : HRM0706 GENERAL PURPOSE CLEANER 400ML  
Type of product : Detergent  
Vaporizer : Aerosol

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Use of the substance/mixture : Spray cleaners

**1.2.2. Uses advised against**

No additional information available

**1.3. Details of the supplier of the safety data sheet**

HTS Spares Ltd  
Rotherwas Industrial Estate  
7 Beacon Rd  
HR2 6JF – Hereford  
T 01432 373350  
[www.htsspares.com](http://www.htsspares.com)

**1.4. Emergency telephone number**

| Country        | Organisation/Company   | Address                | Emergency number | Comment                           |
|----------------|--|------------------------|------------------|-----------------------------------|
| United Kingdom | National Poisons Information Service<br>(Birmingham Centre)<br>City Hospital | Dudley Road<br>B18 7QH | 0344 892 0111    | Only for healthcare professionals |
| United Kingdom | NHS 111/NHS 24/NHS Direct  |                        | 111<br>0845 4647 | or call a doctor                  |

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Aerosol, Category 1 H222;H229  
Skin corrosion/irritation, Category 2 H315  
Specific target organ toxicity – Single exposure, Category 3, H336  
Narcosis  
Hazardous to the aquatic environment – Chronic Hazard, H412  
Category 3  
Full text of H- and EUH-statements: see section 16

**Adverse physicochemical, human health and environmental effects**

Pressurised container: May burst if heated. Extremely flammable aerosol.

**2.2. Label elements****Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) :



# HRM0706 GENERAL PURPOSE CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

|                                |   |       |
|--------------------------------|---|-------|
|                                | GHS02   | GHS07 |
| Signal word (CLP)              | : Danger  |       |
| Contains                       | : N-HEXANE; HYDROCARBONS C6-C7, N-ALKANES, ISOALKANES, CYCLICS  |       |
| Hazard statements (CLP)        | : H222 - Extremely flammable aerosol.<br>H229 - Pressurised container: May burst if heated.<br>H315 - Causes skin irritation.<br>H336 - May cause drowsiness or dizziness.<br>H412 - Harmful to aquatic life with long lasting effects.   |       |
| Precautionary statements (CLP) | : P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C.<br>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.<br>No smoking.<br>P211 - Do not spray on an open flame or other ignition source.<br>P251 - Do not pierce or burn, even after use.<br>P261 - Avoid breathing vapours, spray.<br>P264 - Wash hands thoroughly after handling.<br>P280 - Wear protective gloves.<br>P312 - Call a POISON CENTER, doctor if you feel unwell.<br>Dispose of in accordance with relevant local regulations.<br>P102 - Keep out of reach of children. |       |

### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name  | Product identifier   | %                | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|---|--|------------------|---|
| PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS<br>substance with national workplace exposure limit(s) (GB)                           | CAS-No.: 68476-85-7<br>EC-No.: 270-704-2<br>REACH-no: 2119463258-33-XXXX | $\geq 20 - < 50$ | Flam. Gas 1A, H220<br>Press. Gas (Liq.), H280   |
| HYDROCARBONS C6-C7, N-ALKANES, ISOALKANES, CYCLICS  | EC-No.: 921-024-6 PART*  | $\geq 20 - < 50$ | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411                                      |
| N-HEXANE<br>substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit       | CAS-No.: 110-54-3<br>EC-No.: 203-777-6                                   | $< 5$            | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>Repr. 2, H361f<br>STOT SE 3, H336<br>STOT RE 2, H373<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411 |
| DIPHENYL ETHER<br>substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit | CAS-No.: 101-84-8<br>EC-No.: 202-981-2                                   | $< 1$            | Eye Irrit. 2, H319<br>Aquatic Chronic 2, H411   |

Product subject to CLP Article 1.1.3.7. The disclosure rules of the components is modified in this case.

# HRM0706 GENERAL PURPOSE CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Full text of H- and EUH-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : IF exposed or concerned: Get medical advice/attention.   |
| First-aid measures after inhalation   | : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  |
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.  |
| First-aid measures after eye contact  | : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion    | : Do NOT induce vomiting.  |

#### 4.2. Most important symptoms and effects, both acute and delayed

|                                     |   |
|-------------------------------------|---|
| Symptoms/effects after inhalation   | : May cause drowsiness or dizziness. Inhalation may cause irritation (cough, short breathing, difficulty in breathing). |
| Symptoms/effects after skin contact | : Causes skin irritation. Contact with the liquefied gas may cause frostbite.   |
| Symptoms/effects after eye contact  | : May cause eye irritation.   |
| Symptoms/effects after ingestion    | : Risk of lung oedema. May cause irritation to the digestive tract.   |

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. If swallowed, seek medical advice immediately and show this container or label.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |   |
|--------------------------------|---|
| Suitable extinguishing media   | : Dry powder. Foam. Carbon dioxide. Water fog.                  |
| Unsuitable extinguishing media | : Do not use a water jet since it may cause the fire to spread. |

#### 5.2. Special hazards arising from the substance or mixture

|  |   |
|--|---|
| Fire hazard                                      | : Extremely flammable aerosol.  |
| Explosion hazard                                 | : Pressurised container: May burst if heated. May form flammable/explosive vapour-air mixture. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours. |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released.  |

#### 5.3. Advice for firefighters

|                                |  |
|--------------------------------|--|
| Precautionary measures fire    | : Eliminate all ignition sources if safe to do so. Evacuate area. Fight fire remotely due to the risk of explosion. Cool down the containers exposed to heat with a water spray. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.   |

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

|                      |   |
|----------------------|---|
| Protective equipment | : Ensure there is adequate ventilation.                               |
| Emergency procedures | : Ventilate spillage area. No open flames, no sparks, and no smoking. |

##### 6.1.2. For emergency responders

|                      |   |
|----------------------|---|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
|----------------------|---|

# HRM0706 GENERAL PURPOSE CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

For containment : Remove all sources of ignition.  
Methods for cleaning up : Absorb remaining liquid with sand or inert absorbent and remove to safe place.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store in a well-ventilated place. Keep cool.

### 7.3. Specific end use(s)

For further information refer to section 1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

| N-HEXANE (110-54-3)                                |                                       |
|--|---------------------------------------|
| EU - Indicative Occupational Exposure Limit (IOEL) |                                       |
| Local name   | n-Hexane                              |
| IOEL TWA   | 72 mg/m <sup>3</sup>                  |
| IOEL TWA [ppm]                                     | 20 ppm                                |
| Regulatory reference                               | COMMISSION DIRECTIVE 2006/15/EC       |
| United Kingdom - Occupational Exposure Limits      |                                       |
| Local name   | n-Hexane                              |
| WEL TWA (OEL TWA) [1]                              | 72 mg/m <sup>3</sup>                  |
| WEL TWA (OEL TWA) [2]                              | 20 ppm                                |
| Regulatory reference                               | EH40/2005 (Fourth edition, 2020). HSE |
| DIPHENYL ETHER (101-84-8)                          |                                       |
| EU - Indicative Occupational Exposure Limit (IOEL) |                                       |
| Local name   | Diphenyl ether                        |
| IOEL TWA   | 7 mg/m <sup>3</sup>                   |

# HRM0706 GENERAL PURPOSE CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| DIPHENYL ETHER (101-84-8)                              |  |
|--|--|
| IOEL TWA [ppm]   | 1 ppm  |
| IOEL STEL  | 14 mg/m <sup>3</sup>   |
| IOEL STEL [ppm]  | 2 ppm  |
| Regulatory reference                                   | COMMISSION DIRECTIVE (EU) 2017/164   |
| United Kingdom - Occupational Exposure Limits          |  |
| Local name   | Diphenyl ether   |
| WEL TWA (OEL TWA) [1]                                  | 7 mg/m <sup>3</sup>  |
| WEL TWA (OEL TWA) [2]                                  | 1 ppm  |
| WEL STEL (OEL STEL)                                    | 14 mg/m <sup>3</sup>   |
| WEL STEL (OEL STEL) [ppm]                              | 2 ppm  |
| Regulatory reference                                   | EH40/2005 (Fourth edition, 2020). HSE  |
| PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS (68476-85-7) |  |
| United Kingdom - Occupational Exposure Limits          |  |
| Local name   | Liquefied petroleum gas  |
| WEL TWA (OEL TWA) [1]                                  | 1750 mg/m <sup>3</sup>   |
| WEL TWA (OEL TWA) [2]                                  | 1000 ppm   |
| WEL STEL (OEL STEL)                                    | 2180 mg/m <sup>3</sup>   |
| WEL STEL (OEL STEL) [ppm]                              | 1250 ppm   |
| Remark   | Carc (Capable of causing cancer and/or heritable genetic damage (only applies if LPG contains more than 0.1% of buta-1,3-diene)) |
| Regulatory reference                                   | EH40/2005 (Fourth edition, 2020). HSE  |

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses

# HRM0706 GENERAL PURPOSE CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Eye protection |                      |                 |          |
|----------------|----------------------|-----------------|----------|
| Type           | Field of application | Characteristics | Standard |
| Safety goggles | Droplet              | Plastic         | EN 166   |

### 8.2.2.2. Skin protection

#### Skin and body protection:

Wear suitable protective clothing

#### Hand protection:

Protective gloves

| Hand protection   |   |            |                |             |          |
|-------------------|---|------------|----------------|-------------|----------|
| Type              | Material  | Permeation | Thickness (mm) | Penetration | Standard |
| Disposable gloves | Nitrile rubber (NBR),<br>Neoprene rubber (HNBR) |            |                |             | EN 374-2 |

### 8.2.2.3. Respiratory protection

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|   |   |
|---|---|
| Physical state                                  | : Liquid                                      |
| Colour  | : Not available                               |
| Appearance                                      | : Aerosol.                                    |
| Odour   | : Not available                               |
| Odour threshold                                 | : Not available                               |
| Melting point                                   | : Not applicable                              |
| Freezing point                                  | : Not available                               |
| Boiling point                                   | : Not available                               |
| Flammability                                    | : Extremely flammable aerosol.                |
| Explosive properties                            | : Pressurised container: May burst if heated. |
| Lower explosion limit                           | : Not available                               |
| Upper explosion limit                           | : Not available                               |
| Flash point                                     | : Not applicable                              |
| Auto-ignition temperature                       | : Not available                               |
| Decomposition temperature                       | : Not available                               |
| pH  | : Not available                               |
| Viscosity, kinematic                            | : > 25 mm <sup>2</sup> /s                     |
| Solubility                                      | : Not available                               |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                               |
| Vapour pressure                                 | : Not available                               |
| Vapour pressure at 50°C                         | : Not available                               |
| Density   | : Not available                               |
| Relative density                                | : Not available                               |
| Relative vapour density at 20°C                 | : Not available                               |
| Particle characteristics                        | : Not applicable                              |

# HRM0706 GENERAL PURPOSE CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

% of flammable ingredients : 63.724276 %

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Extremely flammable aerosol. Pressurised container: May burst if heated.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition. Direct sunlight.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

|                                   |                                      |
|-----------------------------------|--------------------------------------|
| Acute toxicity (oral)             | : Not classified                     |
| Acute toxicity (dermal)           | : Not classified                     |
| Acute toxicity (inhalation)       | : Not classified                     |
| Skin corrosion/irritation         | : Causes skin irritation.            |
| Serious eye damage/irritation     | : Not classified                     |
| Respiratory or skin sensitisation | : Not classified                     |
| Germ cell mutagenicity            | : Not classified                     |
| Carcinogenicity                   | : Not classified                     |
| Reproductive toxicity             | : Not classified                     |
| STOT-single exposure              | : May cause drowsiness or dizziness. |

#### N-HEXANE (110-54-3)

|                      |                                    |
|----------------------|------------------------------------|
| STOT-single exposure | May cause drowsiness or dizziness. |
|----------------------|------------------------------------|

#### HYDROCARBONS C6-C7, N-ALKANES, ISOALKANES, CYCLICS

|                      |                                    |
|----------------------|------------------------------------|
| STOT-single exposure | May cause drowsiness or dizziness. |
|----------------------|------------------------------------|

STOT-repeated exposure : Not classified

#### N-HEXANE (110-54-3)

|                        |  |
|------------------------|--|
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure. |
|------------------------|--|

# HRM0706 GENERAL PURPOSE CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS (68476-85-7)

|                                       |   |
|---------------------------------------|---|
| LOAEC (inhalation, rat, gas, 90 days) | 12000 ppm Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other: |
|---------------------------------------|---|

Aspiration hazard : Not classified

### HRM0706 GENERAL PURPOSE CLEANER 400ML

|                      |                         |
|----------------------|-------------------------|
| Vaporizer            | Aerosol                 |
| Viscosity, kinematic | > 25 mm <sup>2</sup> /s |

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Harmful to aquatic life.  
Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.  
Not rapidly degradable

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

Other adverse effects : Volatile Organic Compounds (VOC).

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Comply with local regulations for disposal.

# HRM0706 GENERAL PURPOSE CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

|         |  |
|---------|--|
| HP Code | : HP3 - "Flammable:"<br>– flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;<br>– flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;<br>– flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;<br>– flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;<br>– water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;<br>– other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.<br>HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration.<br>HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.<br>HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment |
|---------|--|

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR   | IMDG  | IATA  | ADN   | RID   |
|---|---|---|---|---|
| <b>14.1. UN number or ID number</b>   |   |   |   |   |
| UN 1950   | UN 1950   | UN 1950   | UN 1950   | UN 1950   |
| <b>14.2. UN proper shipping name</b>  |   |   |   |   |
| AEROSOLS  | AEROSOLS  | Aerosols, flammable   | AEROSOLS  | AEROSOLS  |
| <b>Transport document description</b>   |   |   |   |   |
| UN 1950 AEROSOLS, 2.1, (D)  | UN 1950 AEROSOLS, 2.1   | UN 1950 Aerosols, flammable, 2.1  | UN 1950 AEROSOLS, 2.1   | UN 1950 AEROSOLS, 2.1   |
| <b>14.3. Transport hazard class(es)</b>   |   |   |   |   |
| 2.1   | 2.1   | 2.1   | 2.1   | 2.1   |
|  |  |  |  |  |
| <b>14.4. Packing group</b>  |   |   |   |   |
| Not applicable  | Not applicable  | Not applicable  | Not applicable  | Not applicable  |
| <b>14.5. Environmental hazards</b>  |   |   |   |   |
| Dangerous for the environment: No   | Dangerous for the environment: No<br>Marine pollutant: No                           | Dangerous for the environment: No   | Dangerous for the environment: No   | Dangerous for the environment: No   |
| No supplementary information available  |   |   |   |   |

### 14.6. Special precautions for user

#### Overland transport

|                           |                      |
|---------------------------|----------------------|
| Classification code (ADR) | : 5F                 |
| Special provisions (ADR)  | : 190, 327, 344, 625 |
| Limited quantities (ADR)  | : 1I                 |
| Excepted quantities (ADR) | : E0                 |

# HRM0706 GENERAL PURPOSE CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

|   |                 |
|---|-----------------|
| Packing instructions (ADR)  | : P207, LP200   |
| Special packing provisions (ADR)  | : PP87, RR6, L2 |
| Mixed packing provisions (ADR)  | : MP9           |
| Transport category (ADR)  | : 2             |
| Special provisions for carriage - Packages (ADR)                        | : V14           |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV9, CV12     |
| Special provisions for carriage - Operation (ADR)                       | : S2            |
| Tunnel restriction code (ADR)   | : D             |

### Transport by sea

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Special provisions (IMDG)         | : 63, 190, 277, 327, 344, 381, 959 |
| Limited quantities (IMDG)         | : SP277                            |
| Excepted quantities (IMDG)        | : E0                               |
| Packing instructions (IMDG)       | : P207, LP200                      |
| Special packing provisions (IMDG) | : PP87, L2                         |
| EmS-No. (Fire)                    | : F-D                              |
| EmS-No. (Spillage)                | : S-U                              |
| Stowage category (IMDG)           | : None                             |
| Stowage and handling (IMDG)       | : SW1, SW22                        |
| Segregation (IMDG)                | : SG69                             |

### Air transport

|  |                    |
|--|--------------------|
| PCA Excepted quantities (IATA)               | : E0               |
| PCA Limited quantities (IATA)                | : Y203             |
| PCA limited quantity max net quantity (IATA) | : 30kgG            |
| PCA packing instructions (IATA)              | : 203              |
| PCA max net quantity (IATA)                  | : 75kg             |
| CAO packing instructions (IATA)              | : 203              |
| CAO max net quantity (IATA)                  | : 150kg            |
| Special provisions (IATA)                    | : A145, A167, A802 |
| ERG code (IATA)                              | : 10L              |

### Inland waterway transport

|                                   |                      |
|-----------------------------------|----------------------|
| Classification code (ADN)         | : 5F                 |
| Special provisions (ADN)          | : 190, 327, 344, 625 |
| Limited quantities (ADN)          | : 1 L                |
| Excepted quantities (ADN)         | : E0                 |
| Equipment required (ADN)          | : PP, EX, A          |
| Ventilation (ADN)                 | : VE01, VE04         |
| Number of blue cones/lights (ADN) | : 1                  |

### Rail transport

|   |                      |
|---|----------------------|
| Classification code (RID)   | : 5F                 |
| Special provisions (RID)  | : 190, 327, 344, 625 |
| Limited quantities (RID)  | : 1L                 |
| Excepted quantities (RID)   | : E0                 |
| Packing instructions (RID)  | : P207, LP200        |
| Special packing provisions (RID)  | : PP87, RR6, L2      |
| Mixed packing provisions (RID)  | : MP9                |
| Transport category (RID)  | : 2                  |
| Special provisions for carriage – Packages (RID)                        | : W14                |
| Special provisions for carriage - Loading, unloading and handling (RID) | : CW9, CW12          |
| Colis express (express parcels) (RID)                                   | : CE2                |
| Hazard identification number (RID)                                      | : 23                 |

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

# HRM0706 GENERAL PURPOSE CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### 15.1.1. EU-Regulations

###### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

###### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

###### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

###### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

###### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

###### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

###### Detergent Regulation (648/2004)

| Labelling of contents  |      |
|------------------------|------|
| Component              | %    |
| aliphatic hydrocarbons | ≥30% |
| non-ionic surfactants  | <5%  |
| perfumes               |      |

###### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

###### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information

#### Abbreviations and acronyms:

|      |   |
|------|---|
| ADN  | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR  | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE  | Acute Toxicity Estimate   |
| BCF  | Bioconcentration factor   |
| BLV  | Biological limit value  |
| BOD  | Biochemical oxygen demand (BOD)   |
| COD  | Chemical oxygen demand (COD)  |
| DMEL | Derived Minimal Effect level  |

# HRM0706 GENERAL PURPOSE CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Abbreviations and acronyms: |  |
|-----------------------------|--|
| DNEL                        | Derived-No Effect Level  |
| EC-No.                      | European Community number  |
| EC50                        | Median effective concentration   |
| EN                          | European Standard  |
| IARC                        | International Agency for Research on Cancer                                  |
| IATA                        | International Air Transport Association                                      |
| IMDG                        | International Maritime Dangerous Goods                                       |
| LC50                        | Median lethal concentration  |
| LD50                        | Median lethal dose   |
| LOAEL                       | Lowest Observed Adverse Effect Level   |
| NOAEC                       | No-Observed Adverse Effect Concentration                                     |
| NOAEL                       | No-Observed Adverse Effect Level   |
| NOEC                        | No-Observed Effect Concentration   |
| OECD                        | Organisation for Economic Co-operation and Development                       |
| OEL                         | Occupational Exposure Limit  |
| PBT                         | Persistent Bioaccumulative Toxic   |
| PNEC                        | Predicted No-Effect Concentration  |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS                         | Safety Data Sheet  |
| STP                         | Sewage treatment plant   |
| ThOD                        | Theoretical oxygen demand (ThOD)   |
| TLM                         | Median Tolerance Limit   |
| VOC                         | Volatile Organic Compounds   |
| CAS-No.                     | Chemical Abstract Service number   |
| N.O.S.                      | Not Otherwise Specified  |
| vPvB                        | Very Persistent and Very Bioaccumulative                                     |
| ED                          | Endocrine disrupting properties  |

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Aquatic Chronic 2                   | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Asp. Tox. 1                         | Aspiration hazard, Category 1                                     |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                     |
| Flam. Gas 1A                        | Flammable gases, Category 1A                                      |
| Flam. Liq. 2                        | Flammable liquids, Category 2                                     |
| H220                                | Extremely flammable gas.  |
| H222                                | Extremely flammable aerosol.                                      |
| H225                                | Highly flammable liquid and vapour.                               |
| H229                                | Pressurised container: May burst if heated.                       |
| H280                                | Contains gas under pressure; may explode if heated.               |

# HRM0706 GENERAL PURPOSE CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Full text of H- and EUH-statements: |  |
|-------------------------------------|--|
| H304                                | May be fatal if swallowed and enters airways.                          |
| H315                                | Causes skin irritation.  |
| H319                                | Causes serious eye irritation.   |
| H336                                | May cause drowsiness or dizziness.                                     |
| H361f                               | Suspected of damaging fertility.                                       |
| H373                                | May cause damage to organs through prolonged or repeated exposure.     |
| H411                                | Toxic to aquatic life with long lasting effects.                       |
| H412                                | Harmful to aquatic life with long lasting effects.                     |
| Press. Gas (Liq.)                   | Gases under pressure : Liquefied gas                                   |
| Repr. 2                             | Reproductive toxicity, Category 2                                      |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                                  |
| STOT RE 2                           | Specific target organ toxicity – Repeated exposure, Category 2         |
| STOT SE 3                           | Specific target organ toxicity – Single exposure, Category 3, Narcosis |

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture  
Product name : HRM0159 GLASS CLEANER 400ML  
Type of product : Detergent  
Vaporizer : Aerosol  
Product group : End product

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Main use category : Professional use  
Use of the substance/mixture : Cleaning/washing agents and additives  
Function or use category : Cleaning/washing agents and additives

**1.2.2. Uses advised against**

No additional information available

**1.3. Details of the supplier of the safety data sheet**

HTS Spares Ltd  
Rotherwas Industrial Estate  
7 Beacon Rd  
HR2 6JF – Hereford  
T 01432 373350  
[www.htsspares.com](http://www.htsspares.com)

**1.4. Emergency telephone number**

| Country        | Organisation/Company   | Address                | Emergency number | Comment                           |
|----------------|--|------------------------|------------------|-----------------------------------|
| United Kingdom | National Poisons Information Service<br>(Birmingham Centre)<br>City Hospital | Dudley Road<br>B18 7QH | 0344 892 0111    | Only for healthcare professionals |
| United Kingdom | NHS 111/NHS 24/NHS Direct  |                        | 111<br>0845 4647 | or call a doctor                  |

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Aerosol, Category 1 H222;H229

Full text of H- and EUH-statements: see section 16

**Adverse physicochemical, human health and environmental effects**

Pressurised container: May burst if heated. Extremely flammable aerosol.

**2.2. Label elements****Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) :



GHS02

Signal word (CLP) :

Danger

# HRM0159 GLASS CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

|                                |  |
|--------------------------------|--|
| Hazard statements (CLP)        | : H222 - Extremely flammable aerosol.<br>H229 - Pressurised container: May burst if heated.  |
| Precautionary statements (CLP) | : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.<br>No smoking.<br>P211 - Do not spray on an open flame or other ignition source.<br>P251 - Do not pierce or burn, even after use.<br>P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C. |

### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name   | Product identifier   | %              | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|--|--|----------------|---|
| 2-BUTOXYETHANOL<br>substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit | CAS-No.: 111-76-2<br>EC-No.: 203-905-0                                   | $\geq 1 - < 5$ | Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight)<br>Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg bodyweight)<br>Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h)<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319 |
| PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS<br>substance with national workplace exposure limit(s) (GB)                            | CAS-No.: 68476-85-7<br>EC-No.: 270-704-2<br>REACH-no: 2119463258-33-XXXX | $\geq 1 - < 5$ | Flam. Gas 1A, H220<br>Press. Gas (Liq.), H280   |
| PROPAN-2-OL<br>substance with national workplace exposure limit(s) (GB)  | CAS-No.: 67-63-0<br>EC-No.: 200-661-7                                    | $\geq 1 - < 5$ | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336   |

Product subject to CLP Article 1.1.3.7. The disclosure rules of the components is modified in this case.

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : IF exposed or concerned: Get medical advice/attention.   |
| First-aid measures after inhalation   | : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  |
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.  |
| First-aid measures after eye contact  | : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion    | : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.   |

# HRM0159 GLASS CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 4.2. Most important symptoms and effects, both acute and delayed

|                                     |  |
|-------------------------------------|--|
| Symptoms/effects after inhalation   | : Inhalation may cause irritation (cough, short breathing, difficulty in breathing). |
| Symptoms/effects after skin contact | : Contact with the liquefied gas may cause frostbite. May cause moderate irritation. |
| Symptoms/effects after eye contact  | : May cause eye irritation.  |
| Symptoms/effects after ingestion    | : May cause irritation to the digestive tract.                                       |

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                |   |
|--------------------------------|---|
| Suitable extinguishing media   | : Dry powder. Foam. Carbon dioxide. Water fog.                  |
| Unsuitable extinguishing media | : Do not use a water jet since it may cause the fire to spread. |

### 5.2. Special hazards arising from the substance or mixture

|  |   |
|--|---|
| Fire hazard                                      | : Extremely flammable aerosol.  |
| Explosion hazard                                 | : Pressurised container: May burst if heated. May form flammable/explosive vapour-air mixture. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours. |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released.  |

### 5.3. Advice for firefighters

|                                |  |
|--------------------------------|--|
| Precautionary measures fire    | : Eliminate all ignition sources if safe to do so. Evacuate area. Fight fire remotely due to the risk of explosion. Cool down the containers exposed to heat with a water spray. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.   |

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

|                      |   |
|----------------------|---|
| Protective equipment | : Ensure there is adequate ventilation.                               |
| Emergency procedures | : Ventilate spillage area. No open flames, no sparks, and no smoking. |

#### 6.1.2. For emergency responders

|                      |   |
|----------------------|---|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
|----------------------|---|

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

|                         |  |
|-------------------------|--|
| For containment         | : Remove all sources of ignition.  |
| Methods for cleaning up | : Absorb remaining liquid with sand or inert absorbent and remove to safe place. |
| Other information       | : Dispose of materials or solid residues at an authorized site.                  |

### 6.4. Reference to other sections

For further information refer to section 13.

# HRM0159 GLASS CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store in a well-ventilated place. Keep cool.

#### 7.3. Specific end use(s)

For further information refer to section 1.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

| PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS (68476-85-7) |  |
|--|--|
| United Kingdom - Occupational Exposure Limits          |  |
| Local name   | Liquefied petroleum gas  |
| WEL TWA (OEL TWA) [1]                                  | 1750 mg/m <sup>3</sup>   |
| WEL TWA (OEL TWA) [2]                                  | 1000 ppm   |
| WEL STEL (OEL STEL)                                    | 2180 mg/m <sup>3</sup>   |
| WEL STEL (OEL STEL) [ppm]                              | 1250 ppm   |
| Remark   | Carc (Capable of causing cancer and/or heritable genetic damage (only applies if LPG contains more than 0.1% of buta-1,3-diene)) |
| Regulatory reference                                   | EH40/2005 (Fourth edition, 2020). HSE  |
| PROPAN-2-OL (67-63-0)                                  |  |
| United Kingdom - Occupational Exposure Limits          |  |
| Local name   | Propan-2-ol  |
| WEL TWA (OEL TWA) [1]                                  | 999 mg/m <sup>3</sup>  |
| WEL TWA (OEL TWA) [2]                                  | 400 ppm  |
| WEL STEL (OEL STEL)                                    | 1250 mg/m <sup>3</sup>   |
| WEL STEL (OEL STEL) [ppm]                              | 500 ppm  |
| Regulatory reference                                   | EH40/2005 (Fourth edition, 2020). HSE  |
| 2-BUTOXYETHANOL (111-76-2)                             |  |
| EU - Indicative Occupational Exposure Limit (IOEL)     |  |
| Local name   | 2-Butoxyethanol  |
| IOEL TWA   | 98 mg/m <sup>3</sup>   |
| IOEL TWA [ppm]   | 20 ppm   |
| IOEL STEL  | 246 mg/m <sup>3</sup>  |

# HRM0159 GLASS CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| 2-BUTOXYETHANOL (111-76-2)                    |   |
|---|---|
| IOEL STEL [ppm]                               | 50 ppm  |
| Remark  | Skin  |
| Regulatory reference                          | COMMISSION DIRECTIVE 2000/39/EC   |
| United Kingdom - Occupational Exposure Limits |   |
| Local name                                    | 2-Butoxyethanol   |
| WEL TWA (OEL TWA) [1]                         | 123 mg/m <sup>3</sup>   |
| WEL TWA (OEL TWA) [2]                         | 25 ppm  |
| WEL STEL (OEL STEL)                           | 246 mg/m <sup>3</sup>   |
| WEL STEL (OEL STEL) [ppm]                     | 50 ppm  |
| Remark  | Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity) |
| Regulatory reference                          | EH40/2005 (Fourth edition, 2020). HSE   |
| United Kingdom - Biological limit values      |   |
| Local name                                    | 2-Butoxyethanol   |
| BMGV  | 240 mmol/mol Creatinine Parameter: butoxyacetic acid - Medium: urine - Sampling time: Post shift  |
| Regulatory reference                          | EH40/2005 (Fourth edition, 2020). HSE   |

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses

| Eye protection |                      |                 |          |
|----------------|----------------------|-----------------|----------|
| Type           | Field of application | Characteristics | Standard |
| Safety goggles | Droplet              | Plastic         | EN 166   |

# HRM0159 GLASS CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 8.2.2.2. Skin protection

#### Skin and body protection:

Wear suitable protective clothing

#### Hand protection:

Protective gloves

| Hand protection   |   |            |                |             |          |
|-------------------|---|------------|----------------|-------------|----------|
| Type              | Material  | Permeation | Thickness (mm) | Penetration | Standard |
| Disposable gloves | Nitrile rubber (NBR),<br>Neoprene rubber (HNBR) |            |                |             | EN 374-2 |

### 8.2.2.3. Respiratory protection

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|   |  |
|---|--|
| Physical state                                  | : Liquid   |
| Colour  | : Colourless.  |
| Appearance                                      | : Aerosol.   |
| Odour   | : Not available  |
| Odour threshold                                 | : Not available  |
| Melting point                                   | : Not applicable   |
| Freezing point                                  | : Not available  |
| Boiling point                                   | : Not available  |
| Flammability                                    | : Extremely flammable aerosol.                                       |
| Explosive properties                            | : Pressurised container: May burst if heated.                        |
| Lower explosion limit                           | : Not available  |
| Upper explosion limit                           | : Not available  |
| Flash point                                     | : < -40 °C   |
| Auto-ignition temperature                       | : 410 – 580 °C Data stated for propellant.                           |
| Decomposition temperature                       | : Not available  |
| pH  | : > 8 – < 10   |
| pH solution concentration                       | : 100 %  |
| Viscosity, kinematic                            | : Not available  |
| Solubility                                      | : Not available  |
| Partition coefficient n-octanol/water (Log Kow) | : Not available  |
| Vapour pressure                                 | : 590 – 1760 hPa @45 degrees Centigrade. Data stated for propellant. |
| Vapour pressure at 50°C                         | : Not available  |
| Density   | : Not available  |
| Relative density                                | : Not available  |
| Relative vapour density at 20°C                 | : Not available  |
| Particle characteristics                        | : Not applicable   |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

% of flammable ingredients : 10.8462644 %

# HRM0159 GLASS CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Extremely flammable aerosol. Pressurised container: May burst if heated.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition. Direct sunlight.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

|                                   |                  |
|-----------------------------------|------------------|
| Acute toxicity (oral)             | : Not classified |
| Acute toxicity (dermal)           | : Not classified |
| Acute toxicity (inhalation)       | : Not classified |
| Skin corrosion/irritation         | : Not classified |
|                                   | pH: > 8 – < 10   |
| Serious eye damage/irritation     | : Not classified |
|                                   | pH: > 8 – < 10   |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity            | : Not classified |
| Carcinogenicity                   | : Not classified |
| Reproductive toxicity             | : Not classified |
| STOT-single exposure              | : Not classified |

#### PROPAN-2-OL (67-63-0)

|                      |                                    |
|----------------------|------------------------------------|
| STOT-single exposure | May cause drowsiness or dizziness. |
|----------------------|------------------------------------|

STOT-repeated exposure : Not classified

#### PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS (68476-85-7)

|                                       |   |
|---------------------------------------|---|
| LOAEC (inhalation, rat, gas, 90 days) | 12000 ppm Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other: |
|---------------------------------------|---|

Aspiration hazard : Not classified

#### HRM0159 GLASS CLEANER 400ML

|           |         |
|-----------|---------|
| Vaporizer | Aerosol |
|-----------|---------|

# HRM0159 GLASS CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : None known

#### 11.2.2. Other information

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.  
Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Not classified  
Not rapidly degradable

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

Other adverse effects : Volatile Organic Compounds (VOC).

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Comply with local regulations for disposal.  
HP Code : HP2 - "Oxidising:" waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials.  
HP3 - "Flammable:"  
– flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;  
– flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;  
– flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;  
– flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;  
– water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;  
– other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.

# HRM0159 GLASS CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR   | IMDG  | IATA  | ADN   | RID   |
|---|---|---|---|---|
| <b>14.1. UN number or ID number</b>   |   |   |   |   |
| UN 1950   | UN 1950   | UN 1950   | UN 1950   | UN 1950   |
| <b>14.2. UN proper shipping name</b>  |   |   |   |   |
| AEROSOLS  | AEROSOLS  | Aerosols, flammable   | AEROSOLS  | AEROSOLS  |
| <b>Transport document description</b>   |   |   |   |   |
| UN 1950 AEROSOLS, 2.1, (D)  | UN 1950 AEROSOLS, 2.1   | UN 1950 Aerosols, flammable, 2.1  | UN 1950 AEROSOLS, 2.1   | UN 1950 AEROSOLS, 2.1   |
| <b>14.3. Transport hazard class(es)</b>   |   |   |   |   |
| 2.1   | 2.1   | 2.1   | 2.1   | 2.1   |
|  |  |  |  |  |
| <b>14.4. Packing group</b>  |   |   |   |   |
| Not applicable  | Not applicable  | Not applicable  | Not applicable  | Not applicable  |
| <b>14.5. Environmental hazards</b>  |   |   |   |   |
| Dangerous for the environment: No   | Dangerous for the environment: No<br>Marine pollutant: No                         | Dangerous for the environment: No   | Dangerous for the environment: No   | Dangerous for the environment: No   |
| No supplementary information available  |   |   |   |   |

### 14.6. Special precautions for user

#### Overland transport

|   |                      |
|---|----------------------|
| Classification code (ADR)   | : 5F                 |
| Special provisions (ADR)  | : 190, 327, 344, 625 |
| Limited quantities (ADR)  | : 1I                 |
| Excepted quantities (ADR)   | : E0                 |
| Packing instructions (ADR)  | : P207, LP200        |
| Special packing provisions (ADR)  | : PP87, RR6, L2      |
| Mixed packing provisions (ADR)  | : MP9                |
| Transport category (ADR)  | : 2                  |
| Special provisions for carriage - Packages (ADR)                        | : V14                |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV9, CV12          |
| Special provisions for carriage - Operation (ADR)                       | : S2                 |
| Tunnel restriction code (ADR)   | : D                  |

#### Transport by sea

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Special provisions (IMDG)         | : 63, 190, 277, 327, 344, 381, 959 |
| Limited quantities (IMDG)         | : SP277                            |
| Excepted quantities (IMDG)        | : E0                               |
| Packing instructions (IMDG)       | : P207, LP200                      |
| Special packing provisions (IMDG) | : PP87, L2                         |
| EmS-No. (Fire)                    | : F-D                              |
| EmS-No. (Spillage)                | : S-U                              |
| Stowage category (IMDG)           | : None                             |
| Stowage and handling (IMDG)       | : SW1, SW22                        |
| Segregation (IMDG)                | : SG69                             |

# HRM0159 GLASS CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### Air transport

|  |                    |
|--|--------------------|
| PCA Excepted quantities (IATA)               | : E0               |
| PCA Limited quantities (IATA)                | : Y203             |
| PCA limited quantity max net quantity (IATA) | : 30kgG            |
| PCA packing instructions (IATA)              | : 203              |
| PCA max net quantity (IATA)                  | : 75kg             |
| CAO packing instructions (IATA)              | : 203              |
| CAO max net quantity (IATA)                  | : 150kg            |
| Special provisions (IATA)                    | : A145, A167, A802 |
| ERG code (IATA)                              | : 10L              |

### Inland waterway transport

|                                   |                      |
|-----------------------------------|----------------------|
| Classification code (ADN)         | : 5F                 |
| Special provisions (ADN)          | : 190, 327, 344, 625 |
| Limited quantities (ADN)          | : 1 L                |
| Excepted quantities (ADN)         | : E0                 |
| Equipment required (ADN)          | : PP, EX, A          |
| Ventilation (ADN)                 | : VE01, VE04         |
| Number of blue cones/lights (ADN) | : 1                  |

### Rail transport

|   |                      |
|---|----------------------|
| Classification code (RID)   | : 5F                 |
| Special provisions (RID)  | : 190, 327, 344, 625 |
| Limited quantities (RID)  | : 1L                 |
| Excepted quantities (RID)   | : E0                 |
| Packing instructions (RID)  | : P207, LP200        |
| Special packing provisions (RID)  | : PP87, RR6, L2      |
| Mixed packing provisions (RID)  | : MP9                |
| Transport category (RID)  | : 2                  |
| Special provisions for carriage – Packages (RID)                        | : W14                |
| Special provisions for carriage - Loading, unloading and handling (RID) | : CW9, CW12          |
| Colis express (express parcels) (RID)                                   | : CE2                |
| Hazard identification number (RID)                                      | : 23                 |

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

##### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

##### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

##### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

# HRM0159 GLASS CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### Detergent Regulation (648/2004)

| Labelling of contents  |     |
|------------------------|-----|
| Component              | %   |
| aliphatic hydrocarbons | <5% |
| sodium nitrite         |     |
| perfumes               |     |

### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Abbreviations and acronyms: |   |
|-----------------------------|---|
| ADN                         | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR                         | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE                         | Acute Toxicity Estimate   |
| BCF                         | Bioconcentration factor   |
| BLV                         | Biological limit value  |
| BOD                         | Biochemical oxygen demand (BOD)   |
| COD                         | Chemical oxygen demand (COD)  |
| DMEL                        | Derived Minimal Effect level  |
| DNEL                        | Derived-No Effect Level   |
| EC-No.                      | European Community number   |
| EC50                        | Median effective concentration  |
| EN                          | European Standard   |
| IARC                        | International Agency for Research on Cancer   |
| IATA                        | International Air Transport Association   |
| IMDG                        | International Maritime Dangerous Goods  |
| LC50                        | Median lethal concentration   |
| LD50                        | Median lethal dose  |
| LOAEL                       | Lowest Observed Adverse Effect Level  |
| NOAEC                       | No-Observed Adverse Effect Concentration  |
| NOAEL                       | No-Observed Adverse Effect Level  |
| NOEC                        | No-Observed Effect Concentration  |
| OECD                        | Organisation for Economic Co-operation and Development  |

# HRM0159 GLASS CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Abbreviations and acronyms: |  |
|-----------------------------|--|
| OEL                         | Occupational Exposure Limit  |
| PBT                         | Persistent Bioaccumulative Toxic   |
| PNEC                        | Predicted No-Effect Concentration  |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS                         | Safety Data Sheet  |
| STP                         | Sewage treatment plant   |
| ThOD                        | Theoretical oxygen demand (ThOD)   |
| TLM                         | Median Tolerance Limit   |
| VOC                         | Volatile Organic Compounds   |
| CAS-No.                     | Chemical Abstract Service number   |
| N.O.S.                      | Not Otherwise Specified  |
| vPvB                        | Very Persistent and Very Bioaccumulative                                     |
| ED                          | Endocrine disrupting properties  |

| Full text of H- and EUH-statements: |  |
|-------------------------------------|--|
| Acute Tox. 4 (Dermal)               | Acute toxicity (dermal), Category 4                                    |
| Acute Tox. 4 (Inhalation)           | Acute toxicity (inhal.), Category 4                                    |
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4                                      |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                          |
| Flam. Gas 1A                        | Flammable gases, Category 1A   |
| Flam. Liq. 2                        | Flammable liquids, Category 2  |
| H220                                | Extremely flammable gas.   |
| H222                                | Extremely flammable aerosol.   |
| H225                                | Highly flammable liquid and vapour.                                    |
| H229                                | Pressurised container: May burst if heated.                            |
| H280                                | Contains gas under pressure; may explode if heated.                    |
| H302                                | Harmful if swallowed.  |
| H312                                | Harmful in contact with skin.  |
| H315                                | Causes skin irritation.  |
| H319                                | Causes serious eye irritation.   |
| H332                                | Harmful if inhaled.  |
| H336                                | May cause drowsiness or dizziness.                                     |
| Press. Gas (Liq.)                   | Gases under pressure : Liquefied gas                                   |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                                  |
| STOT SE 3                           | Specific target organ toxicity – Single exposure, Category 3, Narcosis |

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

**Safety Data Sheet**

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Reference number: SDS00192  
Issue date: 12/22/2025 Version: 1.0

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture  
Product name : HRM0154 CARB CLEANER 400ML  
Type of product : Detergent  
Vaporizer : Aerosol

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Use of the substance/mixture : Cleaning, care and maintenance products

**1.2.2. Uses advised against**

No additional information available

**1.3. Details of the supplier of the safety data sheet**

HTS Spares Ltd  
Rotherwas Industrial Estate  
7 Beacon Rd  
HR2 6JF – Hereford  
T 01432 373350  
[www.htsspares.com](http://www.htsspares.com)

**1.4. Emergency telephone number**

| Country        | Organisation/Company   | Address                | Emergency number | Comment                           |
|----------------|--|------------------------|------------------|-----------------------------------|
| United Kingdom | National Poisons Information Service<br>(Birmingham Centre)<br>City Hospital | Dudley Road<br>B18 7QH | 0344 892 0111    | Only for healthcare professionals |
| United Kingdom | NHS 111/NHS 24/NHS Direct  |                        | 111<br>0845 4647 | or call a doctor                  |

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Aerosol, Category 1 H222;H229  
Skin corrosion/irritation, Category 2 H315  
Serious eye damage/eye irritation, Category 2 H319  
Specific target organ toxicity – Single exposure, Category 3, H336  
Narcosis  
Specific target organ toxicity – Repeated exposure, Category 2 H373  
Aspiration hazard, Category 1 H304  
Hazardous to the aquatic environment – Chronic Hazard, H412  
Category 3  
Full text of H- and EUH-statements: see section 16

**Adverse physicochemical, human health and environmental effects**

Pressurised container: May burst if heated. Extremely flammable aerosol.

# HRM0154 CARB CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS02

GHS07

GHS08

Signal word (CLP)

: Danger

Contains

: HYDROCARBONS C6-C7, N-ALKANES, ISOALKANES, CYCLICS; ACETONE; XYLENE

Hazard statements (CLP)

: H222 - Extremely flammable aerosol.  
H229 - Pressurised container: May burst if heated.  
H304 - May be fatal if swallowed and enters airways.  
H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
H336 - May cause drowsiness or dizziness.  
H373 - May cause damage to organs through prolonged or repeated exposure.  
H412 - Harmful to aquatic life with long lasting effects.  
Precautionary statements (CLP) : P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C.  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking.  
P211 - Do not spray on an open flame or other ignition source.  
P251 - Do not pierce or burn, even after use.  
P261 - Avoid breathing vapours, spray.  
P271 - Use only outdoors or in a well-ventilated area.  
P280 - Wear protective gloves.  
P301+P310+P331 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor. Do NOT induce vomiting.  
P302+P352 - IF ON SKIN: Wash with plenty of water.  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P312 - Call doctor, a POISON CENTER if you feel unwell.  
P102 - Keep out of reach of children.  
Dispose of in accordance with relevant local regulations.

### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name   | Product identifier   | %                | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|--|------------------|---|
| PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS<br>substance with national workplace exposure limit(s)<br>(GB) | CAS-No.: 68476-85-7<br>EC-No.: 270-704-2<br>REACH-no: 2119463258-33-XXXX | $\geq 20 - < 50$ | Flam. Gas 1A, H220<br>Press. Gas (Liq.), H280                   |

# HRM0154 CARB CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Name  | Product identifier  | %           | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|---|---|-------------|---|
| ACETONE<br>substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit    | CAS-No.: 67-64-1<br>EC-No.: 200-662-2   | ≥ 10 – < 20 | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336<br>EUH066   |
| XYLENE<br>substance with national workplace exposure limit(s) (GB, NL); substance with a Community workplace exposure limit | CAS-No.: 1330-20-7<br>EC-No.: 215-535-7<br>EC Index-No.: 601-022-00-9<br>REACH-no: 01-2119488216-32 | ≥ 10 – < 20 | Flam. Liq. 3, H226<br>Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg bodyweight)<br>Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h)<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H336<br>STOT RE 2, H373<br>Asp. Tox. 1, H304<br>Aquatic Chronic 3, H412 |
| HYDROCARBONS C6-C7, N-ALKANES, ISOALKANES, CYCLICS  | EC-No.: 921-024-6 PART*   | ≥ 10 – < 20 | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411  |
| N-HEXANE<br>substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit   | CAS-No.: 110-54-3<br>EC-No.: 203-777-6  | < 1         | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>Repr. 2, H361f<br>STOT SE 3, H336<br>STOT RE 2, H373<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411   |

Product subject to CLP Article 1.1.3.7. The disclosure rules of the components is modified in this case.

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : IF exposed or concerned: Get medical advice/attention.   |
| First-aid measures after inhalation   | : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  |
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.  |
| First-aid measures after eye contact  | : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion    | : Do NOT induce vomiting.  |

### 4.2. Most important symptoms and effects, both acute and delayed

|                                     |   |
|-------------------------------------|---|
| Symptoms/effects after inhalation   | : May cause drowsiness or dizziness. Inhalation may cause irritation (cough, short breathing, difficulty in breathing). |
| Symptoms/effects after skin contact | : Causes skin irritation. Contact with the liquefied gas may cause frostbite.   |
| Symptoms/effects after eye contact  | : Causes eye irritation.  |
| Symptoms/effects after ingestion    | : Risk of lung oedema. May cause irritation to the digestive tract.   |

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. If swallowed, seek medical advice immediately and show this container or label.

# HRM0154 CARB CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Dry powder. Foam. Carbon dioxide. Water fog.  
Unsuitable extinguishing media : Do not use a water jet since it may cause the fire to spread.

#### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Extremely flammable aerosol.  
Explosion hazard : Pressurised container: May burst if heated. May form flammable/explosive vapour-air mixture. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours.  
Hazardous decomposition products in case of fire : Toxic fumes may be released.

#### 5.3. Advice for firefighters

- Precautionary measures fire : Eliminate all ignition sources if safe to do so. Evacuate area. Fight fire remotely due to the risk of explosion. Cool down the containers exposed to heat with a water spray.  
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

- Protective equipment : Ensure there is adequate ventilation.  
Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking.

##### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

- For containment : Remove all sources of ignition.  
Methods for cleaning up : Absorb remaining liquid with sand or inert absorbent and remove to safe place.  
Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store in a well-ventilated place. Keep cool.

# HRM0154 CARB CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 7.3. Specific end use(s)

For further information refer to section 1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

| <b>N-HEXANE (110-54-3)</b>                                |                                       |
|---|---------------------------------------|
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b> |                                       |
| Local name  | n-Hexane                              |
| IOEL TWA  | 72 mg/m <sup>3</sup>                  |
| IOEL TWA [ppm]  | 20 ppm                                |
| Regulatory reference                                      | COMMISSION DIRECTIVE 2006/15/EC       |
| <b>United Kingdom - Occupational Exposure Limits</b>      |                                       |
| Local name  | n-Hexane                              |
| WEL TWA (OEL TWA) [1]                                     | 72 mg/m <sup>3</sup>                  |
| WEL TWA (OEL TWA) [2]                                     | 20 ppm                                |
| Regulatory reference                                      | EH40/2005 (Fourth edition, 2020). HSE |
| <b>ACETONE (67-64-1)</b>                                  |                                       |
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b> |                                       |
| Local name  | Acetone                               |
| IOEL TWA  | 1210 mg/m <sup>3</sup>                |
| IOEL TWA [ppm]  | 500 ppm                               |
| Regulatory reference                                      | COMMISSION DIRECTIVE 2000/39/EC       |
| <b>United Kingdom - Occupational Exposure Limits</b>      |                                       |
| Local name  | Acetone                               |
| WEL TWA (OEL TWA) [1]                                     | 1210 mg/m <sup>3</sup>                |
| WEL TWA (OEL TWA) [2]                                     | 500 ppm                               |
| WEL STEL (OEL STEL)                                       | 3620 mg/m <sup>3</sup>                |
| WEL STEL (OEL STEL) [ppm]                                 | 1500 ppm                              |
| Regulatory reference                                      | EH40/2005 (Fourth edition, 2020). HSE |
| <b>XYLENE (1330-20-7)</b>                                 |                                       |
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b> |                                       |
| Local name  | Xylene, mixed isomers, pure           |
| IOEL TWA  | 221 mg/m <sup>3</sup>                 |
| IOEL TWA [ppm]  | 50 ppm                                |
| IOEL STEL   | 442 mg/m <sup>3</sup>                 |
| IOEL STEL [ppm]   | 100 ppm                               |
| Remark  | Skin                                  |
| Regulatory reference                                      | COMMISSION DIRECTIVE 2000/39/EC       |

# HRM0154 CARB CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| <b>XYLENE (1330-20-7)</b>                                     |   |
|---|---|
| <b>United Kingdom - Occupational Exposure Limits</b>          |   |
| Local name  | Xylene  |
| WEL TWA (OEL TWA) [1]   | 220 mg/m <sup>3</sup> o-,m-,p- or mixed isomers   |
| WEL TWA (OEL TWA) [2]   | 50 ppm o-,m-,p- or mixed isomers  |
| WEL STEL (OEL STEL)   | 441 mg/m <sup>3</sup> o-,m-,p- or mixed isomers   |
| WEL STEL (OEL STEL) [ppm]                                     | 100 ppm o-,m-,p- or mixed isomers   |
| Remark  | Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity) |
| Regulatory reference  | EH40/2005 (Fourth edition, 2020). HSE   |
| <b>United Kingdom - Biological limit values</b>               |   |
| Local name  | Xylene, o-, m-, p- or mixed isomers   |
| BMGV  | 650 mmol/mol Creatinine Parameter: methyl hippuric acid - Medium: urine - Sampling time: Post shift   |
| Regulatory reference  | EH40/2005 (Fourth edition, 2020). HSE   |
| <b>PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS (68476-85-7)</b> |   |
| <b>United Kingdom - Occupational Exposure Limits</b>          |   |
| Local name  | Liquefied petroleum gas   |
| WEL TWA (OEL TWA) [1]   | 1750 mg/m <sup>3</sup>  |
| WEL TWA (OEL TWA) [2]   | 1000 ppm  |
| WEL STEL (OEL STEL)   | 2180 mg/m <sup>3</sup>  |
| WEL STEL (OEL STEL) [ppm]                                     | 1250 ppm  |
| Remark  | Carc (Capable of causing cancer and/or heritable genetic damage (only applies if LPG contains more than 0.1% of buta-1,3-diene))                            |
| Regulatory reference  | EH40/2005 (Fourth edition, 2020). HSE   |

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

#### Personal protective equipment symbol(s):



# HRM0154 CARB CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 8.2.2.1. Eye and face protection

#### Eye protection:

Safety glasses

| Eye protection |                      |                 |          |
|----------------|----------------------|-----------------|----------|
| Type           | Field of application | Characteristics | Standard |
| Safety goggles | Droplet              | Plastic         | EN 166   |

### 8.2.2.2. Skin protection

#### Skin and body protection:

Wear suitable protective clothing

#### Hand protection:

Protective gloves

| Hand protection   |   |            |                |             |          |
|-------------------|---|------------|----------------|-------------|----------|
| Type              | Material  | Permeation | Thickness (mm) | Penetration | Standard |
| Disposable gloves | Nitrile rubber (NBR),<br>Neoprene rubber (HNBR) |            |                |             | EN 374-2 |

### 8.2.2.3. Respiratory protection

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|   |   |
|---|---|
| Physical state                                  | : Liquid                                      |
| Colour  | : Not available                               |
| Appearance                                      | : Aerosol.                                    |
| Odour   | : Not available                               |
| Odour threshold                                 | : Not available                               |
| Melting point                                   | : Not applicable                              |
| Freezing point                                  | : Not available                               |
| Boiling point                                   | : Not available                               |
| Flammability                                    | : Extremely flammable aerosol.                |
| Explosive properties                            | : Pressurised container: May burst if heated. |
| Lower explosion limit                           | : Not available                               |
| Upper explosion limit                           | : Not available                               |
| Flash point                                     | : Not applicable                              |
| Auto-ignition temperature                       | : Not available                               |
| Decomposition temperature                       | : Not available                               |
| pH  | : Not available                               |
| Viscosity, kinematic                            | : < 25 mm <sup>2</sup> /s                     |
| Solubility                                      | : Not available                               |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                               |
| Vapour pressure                                 | : Not available                               |
| Vapour pressure at 50°C                         | : Not available                               |
| Density   | : Not available                               |
| Relative density                                | : Not available                               |

# HRM0154 CARB CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Relative vapour density at 20°C : Not available  
Particle characteristics : Not applicable

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

% of flammable ingredients : 99.94 %

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Extremely flammable aerosol. Pressurised container: May burst if heated.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition. Direct sunlight.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

| XYLENE (1330-20-7)                |   |
|-----------------------------------|---|
| LD50 oral                         | 4300 mg/kg bodyweight   |
| LD50 dermal rabbit                | 12126 mg/kg bodyweight Animal: rabbit, Animal sex: male, Remarks on results: other: |
| LD50 dermal                       | > 5000 mg/kg bodyweight   |
| LC50 Inhalation - Rat (Dust/Mist) | > 10000 mg/l  |

Skin corrosion/irritation : Causes skin irritation.  
Serious eye damage/irritation : Causes serious eye irritation.  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : May cause drowsiness or dizziness.

### N-HEXANE (110-54-3)

|                      |                                    |
|----------------------|------------------------------------|
| STOT-single exposure | May cause drowsiness or dizziness. |
|----------------------|------------------------------------|

# HRM0154 CARB CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| HYDROCARBONS C6-C7, N-ALKANES, ISOALKANES, CYCLICS     |   |
|--|---|
| STOT-single exposure                                   | May cause drowsiness or dizziness.  |
| ACETONE (67-64-1)                                      |   |
| STOT-single exposure                                   | May cause drowsiness or dizziness.  |
| XYLENE (1330-20-7)                                     |   |
| STOT-single exposure                                   | May cause respiratory irritation.   |
| STOT-repeated exposure                                 | : May cause damage to organs through prolonged or repeated exposure.  |
| N-HEXANE (110-54-3)                                    |   |
| STOT-repeated exposure                                 | May cause damage to organs through prolonged or repeated exposure.  |
| XYLENE (1330-20-7)                                     |   |
| LOAEL (oral, rat, 90 days)                             | 150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity) |
| STOT-repeated exposure                                 | May cause damage to organs through prolonged or repeated exposure.  |
| PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS (68476-85-7) |   |
| LOAEC (inhalation, rat, gas, 90 days)                  | 12000 ppm Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:           |
| Aspiration hazard                                      | : May be fatal if swallowed and enters airways.   |

| HRM0154 CARB CLEANER 400ML |                         |
|----------------------------|-------------------------|
| Vaporizer                  | Aerosol                 |
| Viscosity, kinematic       | < 25 mm <sup>2</sup> /s |

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

|   |  |
|---|--|
| Ecology - general   | : Harmful to aquatic life.                           |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified                                     |
| Hazardous to the aquatic environment, long-term (chronic) | : Harmful to aquatic life with long lasting effects. |
| Not rapidly degradable                                    |  |

| XYLENE (1330-20-7)                 |  |
|------------------------------------|--|
| LC50 - Fish [1]                    | > 86 mg/l  |
| EC50 - Crustacea [1]               | > 3.4 mg/l Test organisms (species): Ceriodaphnia dubia  |
| EC50 - Other aquatic organisms [1] | 350 mg/l waterflea   |
| LOEC (chronic)                     | 3.16 mg/l Test organisms (species): Daphnia magna Duration: '21 d'   |
| NOEC chronic fish                  | > 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d' |

### 12.2. Persistence and degradability

No additional information available

# HRM0154 CARB CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 12.3. Bioaccumulative potential

#### XYLENE (1330-20-7)

|   |     |
|---|-----|
| Partition coefficient n-octanol/water (Log Pow) | 3.1 |
|---|-----|

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

Other adverse effects : Volatile Organic Compounds (VOC).

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Comply with local regulations for disposal.  
HP Code : HP3 - "Flammable:"  
– flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;  
– flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;  
– flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;  
– flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;  
– water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;  
– other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.  
HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration.  
HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.  
HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR                                   | IMDG                  | IATA                             | ADN                   | RID                   |
|---------------------------------------|-----------------------|----------------------------------|-----------------------|-----------------------|
| <b>14.1. UN number or ID number</b>   |                       |                                  |                       |                       |
| UN 1950                               | UN 1950               | UN 1950                          | UN 1950               | UN 1950               |
| <b>14.2. UN proper shipping name</b>  |                       |                                  |                       |                       |
| AEROSOLS                              | AEROSOLS              | Aerosols, flammable              | AEROSOLS              | AEROSOLS              |
| <b>Transport document description</b> |                       |                                  |                       |                       |
| UN 1950 AEROSOLS, 2.1, (D)            | UN 1950 AEROSOLS, 2.1 | UN 1950 Aerosols, flammable, 2.1 | UN 1950 AEROSOLS, 2.1 | UN 1950 AEROSOLS, 2.1 |

# HRM0154 CARB CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| ADR   | IMDG  | IATA  | ADN   | RID   |
|---|---|---|---|---|
| <b>14.3. Transport hazard class(es)</b>   |   |   |   |   |
| 2.1   | 2.1   | 2.1   | 2.1   | 2.1   |
|  |  |  |  |  |
| <b>14.4. Packing group</b>  |   |   |   |   |
| Not applicable  | Not applicable  | Not applicable  | Not applicable  | Not applicable  |
| <b>14.5. Environmental hazards</b>  |   |   |   |   |
| Dangerous for the environment: No   | Dangerous for the environment: No<br>Marine pollutant: No                         | Dangerous for the environment: No   | Dangerous for the environment: No   | Dangerous for the environment: No   |
| No supplementary information available  |   |   |   |   |

### 14.6. Special precautions for user

#### Overland transport

|   |                      |
|---|----------------------|
| Classification code (ADR)   | : 5F                 |
| Special provisions (ADR)  | : 190, 327, 344, 625 |
| Limited quantities (ADR)  | : 1I                 |
| Excepted quantities (ADR)   | : E0                 |
| Packing instructions (ADR)  | : P207, LP200        |
| Special packing provisions (ADR)  | : PP87, RR6, L2      |
| Mixed packing provisions (ADR)  | : MP9                |
| Transport category (ADR)  | : 2                  |
| Special provisions for carriage - Packages (ADR)                        | : V14                |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV9, CV12          |
| Special provisions for carriage - Operation (ADR)                       | : S2                 |
| Tunnel restriction code (ADR)   | : D                  |

#### Transport by sea

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Special provisions (IMDG)         | : 63, 190, 277, 327, 344, 381, 959 |
| Limited quantities (IMDG)         | : SP277                            |
| Excepted quantities (IMDG)        | : E0                               |
| Packing instructions (IMDG)       | : P207, LP200                      |
| Special packing provisions (IMDG) | : PP87, L2                         |
| EmS-No. (Fire)                    | : F-D                              |
| EmS-No. (Spillage)                | : S-U                              |
| Stowage category (IMDG)           | : None                             |
| Stowage and handling (IMDG)       | : SW1, SW22                        |
| Segregation (IMDG)                | : SG69                             |

#### Air transport

|  |                    |
|--|--------------------|
| PCA Excepted quantities (IATA)               | : E0               |
| PCA Limited quantities (IATA)                | : Y203             |
| PCA limited quantity max net quantity (IATA) | : 30kgG            |
| PCA packing instructions (IATA)              | : 203              |
| PCA max net quantity (IATA)                  | : 75kg             |
| CAO packing instructions (IATA)              | : 203              |
| CAO max net quantity (IATA)                  | : 150kg            |
| Special provisions (IATA)                    | : A145, A167, A802 |
| ERG code (IATA)                              | : 10L              |

#### Inland waterway transport

|                           |      |
|---------------------------|------|
| Classification code (ADN) | : 5F |
|---------------------------|------|

# HRM0154 CARB CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

|                                   |                      |
|-----------------------------------|----------------------|
| Special provisions (ADN)          | : 190, 327, 344, 625 |
| Limited quantities (ADN)          | : 1 L                |
| Excepted quantities (ADN)         | : E0                 |
| Equipment required (ADN)          | : PP, EX, A          |
| Ventilation (ADN)                 | : VE01, VE04         |
| Number of blue cones/lights (ADN) | : 1                  |

### Rail transport

|   |                      |
|---|----------------------|
| Classification code (RID)   | : 5F                 |
| Special provisions (RID)  | : 190, 327, 344, 625 |
| Limited quantities (RID)  | : 1L                 |
| Excepted quantities (RID)   | : E0                 |
| Packing instructions (RID)  | : P207, LP200        |
| Special packing provisions (RID)  | : PP87, RR6, L2      |
| Mixed packing provisions (RID)  | : MP9                |
| Transport category (RID)  | : 2                  |
| Special provisions for carriage – Packages (RID)                        | : W14                |
| Special provisions for carriage - Loading, unloading and handling (RID) | : CW9, CW12          |
| Colis express (express parcels) (RID)                                   | : CE2                |
| Hazard identification number (RID)                                      | : 23                 |

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

##### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

##### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

##### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

##### Detergent Regulation (648/2004)

| Labelling of contents  |        |
|------------------------|--------|
| Component              | %      |
| aliphatic hydrocarbons | ≥30%   |
| aromatic hydrocarbons  | 15-30% |

##### Explosives Precursors Regulation (2019/1148)

Contains substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

#### ANNEX II REPORTABLE EXPLOSIVES PRECURSORS

List of substances on their own or in mixtures or in substances for which suspicious transactions and significant disappearances and thefts are to be reported to the relevant national contact point within 24 hours.

# HRM0154 CARB CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Name    | CAS-No. | Combined Nomenclature code (CN) | Combined Nomenclature code for mixture without constituents which would determine classification under another CN code |
|---------|---------|---------------------------------|--|
| Acetone | 67-64-1 | 2914 11 00                      | ex 3824 99 92  |

Please see [https://ec.europa.eu/home-affairs/system/files/2021-11/list\\_of\\_competent\\_authorities\\_and\\_national\\_contact\\_points\\_en.pdf](https://ec.europa.eu/home-affairs/system/files/2021-11/list_of_competent_authorities_and_national_contact_points_en.pdf)

### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Abbreviations and acronyms: |   |
|-----------------------------|---|
| ADN                         | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR                         | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE                         | Acute Toxicity Estimate   |
| BCF                         | Bioconcentration factor   |
| BLV                         | Biological limit value  |
| BOD                         | Biochemical oxygen demand (BOD)   |
| COD                         | Chemical oxygen demand (COD)  |
| DMEL                        | Derived Minimal Effect level  |
| DNEL                        | Derived-No Effect Level   |
| EC-No.                      | European Community number   |
| EC50                        | Median effective concentration  |
| EN                          | European Standard   |
| IARC                        | International Agency for Research on Cancer   |
| IATA                        | International Air Transport Association   |
| IMDG                        | International Maritime Dangerous Goods  |
| LC50                        | Median lethal concentration   |
| LD50                        | Median lethal dose  |
| LOAEL                       | Lowest Observed Adverse Effect Level  |
| NOAEC                       | No-Observed Adverse Effect Concentration  |
| NOAEL                       | No-Observed Adverse Effect Level  |
| NOEC                        | No-Observed Effect Concentration  |
| OECD                        | Organisation for Economic Co-operation and Development  |
| OEL                         | Occupational Exposure Limit   |
| PBT                         | Persistent Bioaccumulative Toxic  |
| PNEC                        | Predicted No-Effect Concentration   |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail                    |

# HRM0154 CARB CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Abbreviations and acronyms: |  |
|-----------------------------|--|
| SDS                         | Safety Data Sheet                        |
| STP                         | Sewage treatment plant                   |
| ThOD                        | Theoretical oxygen demand (ThOD)         |
| TLM                         | Median Tolerance Limit                   |
| VOC                         | Volatile Organic Compounds               |
| CAS-No.                     | Chemical Abstract Service number         |
| N.O.S.                      | Not Otherwise Specified                  |
| vPvB                        | Very Persistent and Very Bioaccumulative |
| ED                          | Endocrine disrupting properties          |

| Full text of H- and EUH-statements: |  |
|-------------------------------------|--|
| Acute Tox. 4 (Dermal)               | Acute toxicity (dermal), Category 4                                |
| Acute Tox. 4 (Inhalation)           | Acute toxicity (inhal.), Category 4                                |
| Aquatic Chronic 2                   | Hazardous to the aquatic environment – Chronic Hazard, Category 2  |
| Aquatic Chronic 3                   | Hazardous to the aquatic environment – Chronic Hazard, Category 3  |
| Asp. Tox. 1                         | Aspiration hazard, Category 1                                      |
| EUH066                              | Repeated exposure may cause skin dryness or cracking.              |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                      |
| Flam. Gas 1A                        | Flammable gases, Category 1A                                       |
| Flam. Liq. 2                        | Flammable liquids, Category 2                                      |
| Flam. Liq. 3                        | Flammable liquids, Category 3                                      |
| H220                                | Extremely flammable gas.   |
| H222                                | Extremely flammable aerosol.                                       |
| H225                                | Highly flammable liquid and vapour.                                |
| H226                                | Flammable liquid and vapour.                                       |
| H229                                | Pressurised container: May burst if heated.                        |
| H280                                | Contains gas under pressure; may explode if heated.                |
| H304                                | May be fatal if swallowed and enters airways.                      |
| H312                                | Harmful in contact with skin.                                      |
| H315                                | Causes skin irritation.  |
| H319                                | Causes serious eye irritation.                                     |
| H332                                | Harmful if inhaled.  |
| H335                                | May cause respiratory irritation.                                  |
| H336                                | May cause drowsiness or dizziness.                                 |
| H361f                               | Suspected of damaging fertility.                                   |
| H373                                | May cause damage to organs through prolonged or repeated exposure. |
| H411                                | Toxic to aquatic life with long lasting effects.                   |
| H412                                | Harmful to aquatic life with long lasting effects.                 |
| Press. Gas (Liq.)                   | Gases under pressure : Liquefied gas                               |

# HRM0154 CARB CLEANER 400ML

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### Full text of H- and EUH-statements:

|               |  |
|---------------|--|
| Repr. 2       | Reproductive toxicity, Category 2                                      |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2                                  |
| STOT RE 2     | Specific target organ toxicity – Repeated exposure, Category 2         |
| STOT SE 3     | Specific target organ toxicity – Single exposure, Category 3, Narcosis |

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.