



Safety Data Sheet according to (EC) No 1907/2006

Page 1 of 9

Loctite 8040 Frz&Rel 400mlx12

sds no. : 190437
V004.1

Revision: 22.08.2011
printing date: 01.05.2012

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier:

Loctite 8040 Frz&Rel 400mlx12

Relevant identified uses of the substance or mixture and uses advised against:

Intended use:
Lubricant

Details of the supplier of the safety data sheet:

Henkel Limited
2 Bishop Square Business Park
AL109EY Herfordshire Hatfield

Great Britain

Phone: +44 1606 593933
Fax-no.: +44 1606 863762

ua-productsafety.uk@uk.henkel.com

Emergency Telephone Number:

24 Hours Emergency Tel: +44 (0)1442 278497

SECTION 2: Hazards identification

Classification of the substance or mixture:

Classification (DPD):

F+ - Extremely flammable
R12 Extremely flammable.
Dangerous for the environment
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67 Vapours may cause drowsiness and dizziness.

Label elements (DPD):

F+ - Extremely flammable



Risk phrases:

R12 Extremely flammable.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67 Vapours may cause drowsiness and dizziness.

Safety phrases:

S23 Do not breathe spray.

S24 Avoid contact with skin.

S51 Use only in well-ventilated areas.

S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

Additional labeling:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children

Contains:

Hydrocarbon aliphatic C4-11 < 0,1% benzene

Other hazards:

The aerosol container is under pressure. Do not expose to high temperatures.

SECTION 3: Composition/information on ingredients

General chemical description:

Lubricant

Declaration of the ingredients according to CLP (EC) No 1272/2008:

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Butane, n- 106-97-8	203-448-7	>= 25- < 50 %	Flammable gases 1 H220 Gases under pressure
Hydrocarbon aliphatic C4-11 < 0,1% benzene 64742-49-0	265-151-9	>= 15- < 20 %	Aspiration hazard 1 H304 Germ cell mutagenicity 1B H340 Skin irritation 2 H315 Carcinogenicity 1B H350 Specific target organ toxicity - single exposure 3 H336 Aspiration hazard 1 H304 Flammable liquids 2 H225 Chronic hazards to the aquatic environment H411
Kerosine (petroleum) 8008-20-6	232-366-4	>= 10- < 20 %	Aspiration hazard 1 H304
Isobutane 75-28-5	200-857-2	>= 10- < 20 %	Flammable gases 1 H220 Gases under pressure
Propane 74-98-6	200-827-9	>= 10- < 20 %	Flammable gases 1 H220 Gases under pressure

Only dangerous ingredients for which a CLP classification is already available are displayed in this table.
For full text of the H - statements and other abbreviations see section 16 "Other information".
Substances without classification may have community workplace exposure limits available.

Declaration of ingredients according to DPD (EC) No 1999/45:

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Butane, n- 106-97-8	203-448-7	>= 25 - < 50 %	F+ - Extremely flammable; R12
Hydrocarbon aliphatic C4-11 < 0,1% benzene 64742-49-0	265-151-9	>= 15 - < 20 %	F - Highly flammable; R11 Xi - Irritant; R38 Xn - Harmful; R65 R67 N - Dangerous for the environment; R51/53
Kerosine (petroleum) 8008-20-6	232-366-4	>= 10 - < 20 %	Xn - Harmful; R65
Isobutane 75-28-5	200-857-2	>= 10 - < 20 %	F+ - Extremely flammable; R12
Propane 74-98-6	200-827-9	>= 10 - < 20 %	F+ - Extremely flammable; R12

For full text of the R-Phrases indicated by codes see section 16 'Other Information'.
Substances without classification may have community workplace exposure limits available.

SECTION 4: First aid measures**Description of first aid measures:****Inhalation:**

Move to fresh air. If symptoms persist, seek medical advice.

Skin contact:

Rinse with running water and soap.
Seek medical advice.

Eye contact:

Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

Ingestion:

Rinse out mouth, drink 1-2 glasses of water, do not induce vomiting.
Seek medical advice.

Most important symptoms and effects, both acute and delayed:

Vapors may cause drowsiness and dizziness.

Indication of any immediate medical attention and special treatment needed:

See section: Description of first aid measures

SECTION 5: Firefighting measures

Extinguishing media:

Suitable extinguishing media:

Carbon dioxide, foam, powder

Special hazards arising from the substance or mixture:

Oxides of carbon, oxides of nitrogen, irritating organic vapors.

Advice for firefighters:

Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

Additional information:

In case of fire, keep containers cool with water spray.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Avoid skin and eye contact.
Ensure adequate ventilation.

Environmental precautions:

Do not let product enter drains.

Methods and material for containment and cleaning up:

For small spills wipe up with paper towel and place in container for disposal.
For large spills absorb onto inert absorbent material and place in sealed container for disposal.

Reference to other sections:

See advice in chapter 8

SECTION 7: Handling and storage

Precautions for safe handling:

Use only in well-ventilated areas.
Vapours should be extracted to avoid inhalation.
Keep away from sources of ignition - no smoking.

Hygiene measures:

Wash hands before work breaks and after finishing work.
Do not eat, drink or smoke while working.
Good industrial hygiene practices should be observed.

Conditions for safe storage, including any incompatibilities:

Store in a cool, well-ventilated place.
Keep away from heat and direct sunlight.

Specific end use(s):
Lubricant

SECTION 8: Exposure controls/personal protection

Control parameters:
Valid for
Great Britain

Ingredient	ppm	mg/m ³	Type	Category	Remarks
BUTANE 106-97-8	750	1.810	Short Term Exposure Limit (STEL):		EH40 WEL
BUTANE 106-97-8	600	1.450	Time Weighted Average (TWA):		EH40 WEL

Exposure controls:

Respiratory protection:
Use only in well-ventilated areas.

Hand protection:
Chemical-resistant protective gloves (EN 374).
Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374):
nitrile rubber (NBR; >= 0.4 mm thickness)
Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):
nitrile rubber (NBR; >= 0.4 mm thickness)
This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection:
Wear protective glasses.

Skin protection:
Wear suitable protective clothing.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties:

Appearance	aerosol yellow
Odor	characteristic
pH	No data available / Not applicable
Initial boiling point	No data available / Not applicable
Flash point	-60 °C (-76 °F)
Decomposition temperature	No data available / Not applicable
Vapour pressure (25 °C (77 °F))	4000 mbar
Density (ρ)	0,6 g/cm ³
Bulk density	No data available / Not applicable
Viscosity	No data available / Not applicable
Viscosity (kinematic)	No data available / Not applicable
Explosive properties	No data available / Not applicable
Solubility (qualitative) (Solvent: Water)	Insoluble
Solubility (qualitative) (Solvent: Acetone)	Soluble

Solidification temperature	No data available / Not applicable
Melting point	No data available / Not applicable
Flammability	No data available / Not applicable
Auto-ignition temperature	No data available / Not applicable
Explosive limits	No data available / Not applicable
Partition coefficient: n-octanol/water	No data available / Not applicable
Evaporation rate	No data available / Not applicable
Vapor density	No data available / Not applicable
Oxidising properties	No data available / Not applicable

Other information:

No data available / Not applicable

SECTION 10: Stability and reactivity**Reactivity:**

Reacts with strong oxidants.

Chemical stability:

Stable under recommended storage conditions.

Possibility of hazardous reactions:

See section reactivity

Conditions to avoid:

Stable

Hazardous decomposition products:

Irritating organic vapours.

SECTION 11: Toxicological information**General toxicological information:**

The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

Oral toxicity:

May cause irritation to the digestive tract.

Inhalative toxicity:

May cause irritation to respiratory system.

Skin irritation:

Solvent may remove essential oils from the skin making it susceptible to attack from other chemicals.
Prolonged or repeated contact may cause skin irritation.

Eye irritation:

May cause mild irritation to the eyes.

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Butane, n- 106-97-8	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		

SECTION 12: Ecological information

General ecological information:

Harmful to aquatic organisms.

May cause long-term adverse effects in the aquatic environment.

Do not empty into drains / surface water / ground water.

The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

Mobility:

The product evaporates readily.

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Hydrocarbon aliphatic C4-11 < 0,1% benzene 64742-49-0	LC50	1 - 10 mg/l	Fish			OECD Guideline 203 (Fish, Acute Toxicity Test)
Hydrocarbon aliphatic C4-11 < 0,1% benzene 64742-49-0	EC50	3 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Hydrocarbon aliphatic C4-11 < 0,1% benzene 64742-49-0	EC50	1 - 10 mg/l	Algae			OECD Guideline 201 (Alga, Growth Inhibition Test)

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Kerosine (petroleum) 8008-20-6		aerobic	58,6 %	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Butane, n- 106-97-8	2,89					
Isobutane 75-28-5	2,88				20 °C	OECD Guideline 107 (Partition Coefficient (n- octanol / water), Shake Flask Method)

SECTION 13: Disposal considerations

Waste treatment methods:

Product disposal:

Dispose of in accordance with local and national regulations.

Disposal of uncleaned packages:

Disposal must be made according to official regulations.

Waste code

14 06 03 Other solvents and solvent mixtures

SECTION 14: Transport information**Road transport ADR:**

Class: 2
Packaging group:
Classification code: 5F
Hazard ident. number:
UN no.: 1950
Label: 2.1
Technical name: AEROSOLS
Tunnelcode: (D)

Railroad transport RID:

Class: 2
Packaging group:
Classification code: 5F
Hazard ident. number: 23
UN no.: 1950
Label: 2.1
Technical name: AEROSOLS
Tunnelcode:

Inland water transport ADN:

Class: 2
Packaging group:
Classification code: 5F
Hazard ident. number:
UN no.: 1950
Label: 2.1
Technical name: AEROSOLS

Marine transport IMDG:

Class: 2.1
Packaging group:
UN no.: 1950
Label: 2.1
EmS: F-D ,S-U
Seawater pollutant: -
Proper shipping name: AEROSOLS

Air transport IATA:

Class: 2.1
Packaging group:
Packaging instructions (passenger) 203
Packaging instructions (cargo) 203
UN no.: 1950
Label: 2.1
Proper shipping name: Aerosols, flammable

SECTION 15: Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

VOC content 96 %
(1999/13/EC)

SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

R11 Highly flammable.
R12 Extremely flammable.
R38 Irritating to skin.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R67 Vapours may cause drowsiness and dizziness.

H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H340 May cause genetic defects.
H350 May cause cancer.
H411 Toxic to aquatic life with long lasting effects.

Further information:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

This safety data sheet was prepared in accordance with Council Directive 67/548/EEC and its subsequent amendments, and Commission Directive 1999/45/EC.