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

sds no. : 173071
V003.4

Loctite 7200

Revision: 28.03.2012
printing date: 01.05.2012

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

1.1. Product identifier
Loctite 7200

1.2. Relevant identified uses of the substance or mixture and uses advised against
Intended use:
Solvent based cleaner

1.3. Details of the supplier of the safety data sheet
Henkel Limited
Technologies House
Wood Lane End
HP2 4RQ Hemel Hempstead

Great Britain

Phone: +44 (0)1442 278000
Fax-no.: +44 (0)1442 278071

ua-productsafety.uk@uk.henkel.com

1.4. Emergency telephone number
24 Hours Emergency Tel: +44 (0)1442 278497

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (DPD):
F+ - Extremely flammable
R12 Extremely flammable.

2.2. Label elements

Label elements (DPD):

F+ - Extremely flammable

Risk phrases:
R12 Extremely flammable.

Safety phrases:
S16 Keep away from sources of ignition - No smoking.
S23 Do not breathe spray.
S24 Avoid contact with skin.
S51 Use only in well-ventilated areas.

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
For consumer use only: S2 Keep out of the reach of children
S46 If swallowed, seek medical advice immediately and show this container or label.

2.3. Other hazards
None if used properly.

SECTION 3: Composition/information on ingredients

General chemical description:
Cleaner

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

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Propane 74-98-6	200-827-9	10- 20 %	Flammable gases 1 H220 Gases under pressure
1,3-Dioxolane 646-06-0	211-463-5	10- 20 %	Flammable liquids 2 H225
Butanone 78-93-3	201-159-0 01-2119457290-43	1- 5 %	Flammable liquids 2 H225 Specific target organ toxicity - single exposure 3 H336 Serious eye irritation 2 H319
2-aminoethanol 141-43-5	205-483-3 01-2119486455-28	1- 5 %	Acute toxicity 4; Inhalation H332 Acute toxicity 4; Dermal H312 Skin corrosion 1B H314 Acute toxicity 4; Oral H302
Naphtha (petroleum), hydrotreated heavy, <0.1% Benzene 64742-48-9	265-150-3 01-2119463258-33	1- 5 %	Flammable liquids 3 H226 Aspiration hazard 1 H304 Specific target organ toxicity - single exposure 3 H336
Ethanol 64-17-5	200-578-6 01-2119457610-43	5- 10 %	Serious eye irritation 2 H319 Flammable liquids 2 H225
Propan-2-ol 67-63-0	200-661-7 01-2119457558-25	5- 10 %	Flammable liquids 2 H225 Serious eye irritation 2 H319 Specific target organ toxicity - single exposure 3 H336

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
Methylal 109-87-5	203-714-2	50 - 80 %	F - Highly flammable; R11
Propane 74-98-6	200-827-9	10 - 20 %	F+ - Extremely flammable; R12
1,3-Dioxolane 646-06-0	211-463-5	10 - 20 %	F - Highly flammable; R11
Butanone 78-93-3	201-159-0 01-2119457290-43	1 - 5 %	F - Highly flammable; R11 R67 Xi - Irritant; R36 R66
2-aminoethanol 141-43-5	205-483-3 01-2119486455-28	1 - 5 %	Xn - Harmful; R20/21/22 C - Corrosive; R34
Naphtha 64742-48-9	265-150-3 01-2119471843-32	1 - 5 %	R10 R66, R67 Xn - Harmful; R65
Ethanol 64-17-5	200-578-6 01-2119457610-43	5 - 10 %	F - Highly flammable; R11
Propan-2-ol 67-63-0	200-661-7 01-2119457558-25	5 - 10 %	Xi - Irritant; R36 F - Highly flammable; R11 R67

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.

Declaration of ingredients according to Detergent Regulation 648/2004/EC

< 5 %	aliphatic hydrocarbons

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:
Move to fresh air.
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 mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed
Vapors may cause drowsiness and dizziness.

4.3. Indication of any immediate medical attention and special treatment needed
See section: Description of first aid measures

SECTION 5: Firefighting measures

Combustion behaviour:
Solvent containing flammable product. In case of fire toxic gases are released.

5.1. Extinguishing media
Suitable extinguishing media:
Foam, extinguishing powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:
None known

5.2. Special hazards arising from the substance or mixture
Do not expose to direct heat.

5.3. Advice for firefighters
Wear self-contained breathing apparatus.

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Avoid skin and eye contact.
Remove sources of ignition.
Ensure adequate ventilation.

6.2. Environmental precautions
Do not let product enter drains.

6.3. Methods and material for containment and cleaning up

Wipe up using absorbent material.
Store in a partly filled, closed container until disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid skin and eye contact.
Keep away from sources of ignition - no smoking.
Vapours should be extracted to avoid inhalation.

Hygiene measures:

Good industrial hygiene practices should be observed.
Wash hands before work breaks and after finishing work.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry place.
Do not store near sources of heat or ignition, or reactive materials.

7.3. Specific end use(s)

Solvent based cleaner

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Valid for

Great Britain

Basis

UK EH40 WELs

Ingredient	ppm	mg/m3	Type	Category	Remarks
PROPAN-2-OL 67-63-0	500	1.250	Short Term Exposure Limit (STEL):		EH40 WEL
PROPAN-2-OL 67-63-0	400	999	Time Weighted Average (TWA):		EH40 WEL
DIMETHOXYMETHANE 109-87-5	1.250	3.950	Short Term Exposure Limit (STEL):		EH40 WEL
DIMETHOXYMETHANE 109-87-5	1.000	3.160	Time Weighted Average (TWA):		EH40 WEL
PROPANE 74-98-6				Included in the regulation but with no data values. See regulation for further details	EH40 WEL
BUTAN-2-ONE (METHYL ETHYL KETONE) 78-93-3	300	899	Short Term Exposure Limit (STEL):		EH40 WEL
BUTAN-2-ONE (METHYL ETHYL KETONE) 78-93-3			Skin designation:	Can be absorbed through the skin.	EH40 WEL
BUTAN-2-ONE (METHYL ETHYL KETONE) 78-93-3	200	600	Time Weighted Average (TWA):		EH40 WEL
BUTANONE 78-93-3	200	600	Time Weighted Average (TWA):	Indicative	ECTLV
BUTANONE 78-93-3	300	900	Short Term Exposure Limit (STEL):	Indicative	ECTLV
ETHANOL 64-17-5	1.000	1.920	Time Weighted Average (TWA):		EH40 WEL
2-AMINOETHANOL 141-43-5			Skin designation:	Can be absorbed through the skin.	EH40 WEL
2-AMINOETHANOL 141-43-5	1	2,5	Time Weighted Average (TWA):		EH40 WEL
2-AMINOETHANOL 141-43-5	3	7,6	Short Term Exposure Limit (STEL):		EH40 WEL
2-AMINOETHANOL 141-43-5	3	7,6	Short Term Exposure Limit (STEL):	Indicative	ECTLV
2-AMINOETHANOL 141-43-5	1	2,5	Time Weighted Average (TWA):	Indicative	ECTLV

Predicted No-Effect Concentration (PNEC):

Name on list	Environmental Compartment	Exposure period	Value				Remarks
			mg/l	ppm	mg/kg	others	
Butanone 78-93-3	aqua (freshwater)		55,8 mg/l				
Butanone 78-93-3	aqua (marine water)		55,8 mg/l				
Butanone 78-93-3	aqua (intermittent releases)		55,8 mg/l				
Butanone 78-93-3	STP		709 mg/l				
Butanone 78-93-3	sediment (freshwater)				284,7 mg/kg		
Butanone 78-93-3	sediment (marine water)				284,7 mg/kg		
Butanone 78-93-3	soil				22,5 mg/kg		
2-Aminoethanol 141-43-5	aqua (freshwater)					0,085 mg/L	
2-Aminoethanol 141-43-5	aqua (marine water)					0,0085 mg/L	
2-Aminoethanol 141-43-5	aqua (intermittent releases)					0,025 mg/L	
2-Aminoethanol 141-43-5	sediment (freshwater)				0,425 mg/kg		
2-Aminoethanol 141-43-5	sediment (marine water)				0,0425 mg/kg		
2-Aminoethanol 141-43-5	soil				0,035 mg/kg		
2-Aminoethanol 141-43-5	STP					100 mg/L	
Ethanol 64-17-5	aqua (freshwater)		0,96 mg/l				
Ethanol 64-17-5	aqua (marine water)		0,79 mg/l				
Ethanol 64-17-5	aqua (intermittent releases)		2,75 mg/l				
Ethanol 64-17-5	sediment (freshwater)				3,6 mg/kg		
Ethanol 64-17-5	soil				0,63 mg/kg		
Ethanol 64-17-5	STP		580 mg/l				
Ethanol 64-17-5	oral				720 mg/kg		
Propan-2-ol 67-63-0	aqua (freshwater)		140,9 mg/l				
Propan-2-ol 67-63-0	aqua (marine water)		140,9 mg/l				
Propan-2-ol 67-63-0	sediment (freshwater)				552 mg/kg		
Propan-2-ol 67-63-0	sediment (marine water)				552 mg/kg		
Propan-2-ol 67-63-0	soil				28 mg/kg		

Derived No-Effect Level (DNEL):

Name on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
Butanone 78-93-3	worker	dermal	Long term exposure - systemic effects		1161 mg/kg bw/day	
Butanone 78-93-3	worker	inhalation	Long term exposure - systemic effects		600 mg/m3	
Butanone 78-93-3	general population	dermal	Long term exposure - systemic effects		412 mg/kg bw/day	
Butanone 78-93-3	general population	inhalation	Long term exposure - systemic effects		106 mg/m3	
Butanone 78-93-3	general population	oral	Long term exposure - systemic effects		31 mg/kg bw/day	
2-Aminoethanol 141-43-5	worker	dermal	Long term exposure - systemic effects		1 mg/kg	
2-Aminoethanol 141-43-5	worker	inhalation	Long term exposure - systemic effects		3,3 mg/m3	
2-Aminoethanol 141-43-5	general population	dermal	Long term exposure - systemic effects		0,24 mg/kg	
2-Aminoethanol 141-43-5	general population	inhalation	Long term exposure - local effects		2 mg/m3	
2-Aminoethanol 141-43-5	general population	oral	Long term exposure - systemic effects		3,75 mg/kg	
Naphtha (petroleum), hydrotreated heavy 64742-48-9	worker	dermal	Long term exposure - systemic effects		300 mg/kg bw/day	
Naphtha (petroleum), hydrotreated heavy 64742-48-9	worker	inhalation	Long term exposure - systemic effects		1500 mg/m3	
Naphtha (petroleum), hydrotreated heavy 64742-48-9	general population	dermal	Long term exposure - systemic effects		300 mg/kg bw/day	
Naphtha (petroleum), hydrotreated heavy 64742-48-9	general population	inhalation	Long term exposure - systemic effects		900 mg/m3	
Naphtha (petroleum), hydrotreated heavy 64742-48-9	general population	oral	Long term exposure - systemic effects		300 mg/kg bw/day	
Ethanol 64-17-5	worker	inhalation	Acute/short term exposure - local effects		1900 mg/m3	
Ethanol 64-17-5	worker	dermal	Long term exposure - systemic effects		343 mg/kg bw/day	
Ethanol 64-17-5	worker	inhalation	Long term exposure - systemic effects		950 mg/m3	
Ethanol 64-17-5	general population	inhalation	Acute/short term exposure - local effects		950 mg/m3	
Ethanol 64-17-5	general population	dermal	Long term exposure - systemic effects		206 mg/kg bw/day	
Ethanol 64-17-5	general population	inhalation	Long term exposure - systemic effects		114 mg/m3	
Ethanol 64-17-5	general population	oral	Long term exposure - systemic effects		87 mg/kg bw/day	
Propan-2-ol 67-63-0	worker	dermal	Long term exposure - systemic effects		888 mg/kg	
Propan-2-ol 67-63-0	worker	inhalation	Long term exposure -		500 mg/m3	

			systemic effects			
Propan-2-ol 67-63-0	general population	dermal	Long term exposure - systemic effects		319 mg/kg	
Propan-2-ol 67-63-0	general population	inhalation	Long term exposure - systemic effects		89 mg/m3	
Propan-2-ol 67-63-0	general population	oral	Long term exposure - systemic effects		26 mg/kg	

8.2. Exposure controls:

Respiratory protection:
Ensure adequate ventilation.
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

9.1. Information on basic physical and chemical properties

Appearance	liquid Amber
Odor	Alcoholic
pH ()	10,6 - 11,0
Initial boiling point	Not applicable
Flash point	not applicable
Decomposition temperature	No data available / Not applicable
Vapour pressure (20 °C (68 °F))	3400 mbar
Density ()	0,86 - 0,90 g/cm3
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)	Not miscible
Solubility (qualitative) (Solvent: Acetone)	Miscible
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	

lower	0,6 %(V)
upper	23 %(V)
Partition coefficient: n-octanol/water	No data available / Not applicable
Evaporation rate	Not available.
Vapor density	No data available / Not applicable
Oxidising properties	No data available / Not applicable

9.2. Other information

No data available / Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity
Strong oxidizing agents.

10.2. Chemical stability
Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions
See section reactivity

10.4. Conditions to avoid
Stable under normal conditions of storage and use.
Heat, flames, sparks and other sources of ignition.

10.5. Incompatible materials
No data available.

10.6. Hazardous decomposition products
None if used for intended purpose.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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.

Eye irritation:
Prolonged or repeated contact may cause eye irritation.

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Butanone 78-93-3	LD50 LC50 LD50	2.600 - 5.400 mg/kg > 5000 ppm 6.400 - 8.000 mg/kg	oral inhalation dermal	6 h	rat rat rabbit	
2-aminoethanol 141-43-5	LD50 LC50 LD50	1.970 mg/kg 1 - 5 mg/l 1.025 mg/kg	oral inhalation dermal	4 h	rat rat rabbit	
Naphtha 64742-48-9	LC50	> 11 mg/l	inhalation	4 h	rat	OECD Guideline 403 (Acute Inhalation Toxicity)
Ethanol 64-17-5	LD50 LC50 LDLo	13.700 mg/kg 124,7 mg/l 20.000 mg/kg	oral inhalation dermal	4 h	rat rat rabbit	
Propan-2-ol 67-63-0	LD50 LC50 LD50	5.338 mg/kg 72,6 mg/l 12.870 mg/kg	oral inhalation dermal	4 h	rat rat rabbit	

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Butanone 78-93-3	moderately irritating		rabbit	
2-aminoethanol 141-43-5	corrosive		rabbit	
Naphtha 64742-48-9	moderately irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Ethanol 64-17-5	not irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Propan-2-ol 67-63-0	slightly irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Butanone 78-93-3	irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
2-aminoethanol 141-43-5	corrosive		rabbit	
Ethanol 64-17-5	Category II		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Propan-2-ol 67-63-0	moderately irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Butanone 78-93-3	not sensitising	Guinea pig maximisation test	guinea pig	
Ethanol 64-17-5	not sensitising	Guinea pig maximisation test	guinea pig	
Propan-2-ol 67-63-0	not sensitising	Buehler test	guinea pig	

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Propane 74-98-6	negative with metabolic activation	in vitro mammalian chromosome aberration test	with and without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Butanone 78-93-3	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
2-aminoethanol 141-43-5	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		
Ethanol 64-17-5	negative negative	bacterial reverse mutation assay (e.g Ames test) in vitro mammalian chromosome aberration test	with and without without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Propan-2-ol 67-63-0	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		

Repeated dose toxicity

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Butanone 78-93-3	NOAEL=2500 ppm	inhalation	90 days 6 hours/day, 5 days/week	rat	
Propan-2-ol 67-63-0	NOAEL=1500	inhalation	13 weeks 6 hours/day, 5 days/week	mouse	

SECTION 12: Ecological information

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

Mobility:
The product evaporates readily.

Persistence and Biodegradability:
No data available.

Persistence and degradability:
Degradation of surfactants
The product does not contain surface-active substances as defined in the EU Detergent Regulation (EC/648/2004).

Bioaccumulative potential:
Does not bioaccumulate.

12.1. Toxicity

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Methylal 109-87-5	LC50	6.990 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
Methylal 109-87-5	EC50	> 500 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
1,3-Dioxolane 646-06-0	LC50	> 95,4 mg/l	Fish	96 h	Lepomis macrochirus	OECD Guideline 203 (Fish, Acute Toxicity Test)
1,3-Dioxolane 646-06-0	EC50	> 772 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
1,3-Dioxolane 646-06-0	NOEC	877 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Butanone 78-93-3	LC50	3.220 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
Butanone 78-93-3	EC50	5.091 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Butanone 78-93-3	EC50	> 1.000 mg/l	Algae			OECD Guideline 201 (Alga, Growth Inhibition Test)
2-aminoethanol 141-43-5	NOEC	1.221 mg/l	Fish		Brachydanio rerio (new name: Danio rerio)	
	LC50	> 250 mg/l	Fish	48 h	Leuciscus idus	
2-aminoethanol 141-43-5	EC50	85 mg/l	Daphnia	24 h	Daphnia magna	
2-aminoethanol 141-43-5	EC50	15 mg/l	Algae	72 h	Pseudokirchnerella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Naphtha 64742-48-9	LC50	> 1.000 mg/l	Fish			OECD Guideline 203 (Fish, Acute Toxicity Test)
Naphtha 64742-48-9	EC50	> 1.000 mg/l	Daphnia		Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Naphtha 64742-48-9	EC50	> 1.000 mg/l	Algae			OECD Guideline 201 (Alga, Growth Inhibition Test)
Ethanol 64-17-5	LC50	14,2 g/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
Ethanol 64-17-5	EC50	9.268 - 14.221 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Ethanol 64-17-5	EC50	> 5.000 mg/l	Algae	7 d	Scenedesmus quadricauda	OECD Guideline 201 (Alga, Growth Inhibition Test)
Propan-2-ol 67-63-0	LC50	9.640 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
Propan-2-ol 67-63-0	EC50	13.299 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Propan-2-ol 67-63-0	EC50	> 1.000 mg/l	Algae	96 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)

12.2. Persistence and degradability

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Methylal 109-87-5			88 %	
1,3-Dioxolane 646-06-0		aerobic	20 %	OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I))
Butanone 78-93-3	readily biodegradable	aerobic	> 60 %	
2-aminoethanol 141-43-5	readily biodegradable	aerobic	100 %	OECD Guideline 301 E (Ready biodegradability: Modified OECD Screening Test)
Naphtha 64742-48-9			23 - 35 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Ethanol 64-17-5	readily biodegradable	aerobic	80 - 85 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Propan-2-ol 67-63-0	readily biodegradable	aerobic	95 %	OECD Guideline 301 E (Ready biodegradability: Modified OECD Screening Test)

12.3. Bioaccumulative potential / 12.4. Mobility in soil

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
1,3-Dioxolane 646-06-0	-0,35					
Butanone 78-93-3	0,29					
2-aminoethanol 141-43-5	-1,91				25 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
Ethanol 64-17-5	-0,31					
Propan-2-ol 67-63-0	0,05					OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product disposal:

Dispose of in accordance with local and national regulations.

Disposal of uncleaned packages:

After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.

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

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

VOC content (1999/13/EC)	98,5 %

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:

R10 Flammable.
R11 Highly flammable.
R12 Extremely flammable.
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R34 Causes burns.
R36 Irritating to eyes.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.
H220 Extremely flammable gas.
H225 Highly flammable liquid and vapor.
H226 Flammable liquid and vapor.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H336 May cause drowsiness or dizziness.

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 it's subsequent amendments, and Commission Directive 1999/45/EC.