

Contact Sheet



Europe

 **Austria**
Tel: + 43 4212 6400
Sparex Austria
Muraunberger Str
Hurzendorf 9300

 **Belgium / Lux**
Tel: + 32 58235140
Sparex Belgium Bvba
Toevluchtweg 9
B- 8620 Nieuwpoort

 **Denmark**
Tel: + 45 647 22287
Sparex Denmark
Sparex Limited ApS
Messevej 1
9600 Aars

 **France**
Tel: +33 2987 89234
Sparex S.A.R.L.
Zae De Ty Douar
Commana 29450

 **Germany**
Tel: + 49 4282 93100
Sparex Germany
Hansestrasse 03
Sittensen 27419

 **Ireland**
Tel: +353 51 855592
Sparex (Tractor Accessories) Ltd
Grannagh
Waterford
Ireland

 **Italy**
Tel: + 43 4212 6400
Sparex Austria
Muraunberger Str
Hurzendorf 9300

 **Netherlands**
Tel: + 31 235 841 020
Sparex Holland BV
Luzernstraat 19N
2153 GM Nieuw-Vennep

 **Poland**
Tel: +48 61 816 19 37
61-168 ul. Rataje 164, Poznań

 **Portugal**
Tel: +351 261 311107
Sparex Portugal, Importação
e Comércio de Peças,Lda.
Lugar da Espera 2565-716 Runa.

 **Spain**
Tel: + 349 451 33524
Sparex Agrirepuestos,S.L. C/Jose Maria
Iparraguirre
No.15 B
01006 Vitoria-Gasteiz (Alava)

 **UK**
Tel: +44 1392 441338
Sparex Limited
Exeter Airport Devon
Exeter EX5 2LJ

North America

 **Canada**
Tel: + 905 786 277
Sparex Canada Highway
No. 2 On Newcastle L1b 119

 **USA**
Tel: + 1 330 562 8150
Sparex US
PO Box 510
Aurora, OH 44202

Africa

 **South Africa**
Cape - Tel: +27 00 21 887 3575
KZN - Tel: + 27 31 573 1240
Cape branch
35 George Blake St,
Plankenburg
Stellenbosch 7600
KZN branch
59 Marseilles crescent
Briardene
Durban 4001

Australasia

 **Australia**
Tel: + 61 298 205 777
Sparex Australia Pty Ltd
81-83 Strzelecki Avenue,
Sunshine West, VIC 3020

 **New Zealand**
Tel: + 64 9634 4121
4 Princes Street Onehunga,
Auckland 1345

Sparex Export Markets

 **Export**
Tel: +44 1392 441314
Sparex Limited
Exeter Airport
Devon Exeter EX5 2LJ



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

Page 1 of 24

LOCTITE SF 7200 known as Loctite 7200

SDS No. : 173071
V004.4

Revision: 11.08.2016
printing date: 11.04.2017

Replaces version from: 14.04.2015

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

1.1. Product identifier

LOCTITE SF 7200 known as 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 Ltd
Wood Lane End
HP2 4RQ Hemel Hempstead

Great Britain

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

Aerosols	Category 1
H222 Extremely flammable aerosol.	
H229 Pressurised container: May burst if heated.	
Skin irritation	Category 2
H315 Causes skin irritation.	
Serious eye irritation	Category 2
H319 Causes serious eye irritation.	

2.2. Label elements

Label elements (CLP):

Hazard pictogram:



Signal word:

Danger

Hazard statement:	H222 Extremely flammable aerosol. H229 Pressurised container: May burst if heated. H315 Causes skin irritation. H319 Causes serious eye irritation.
Precautionary statement:	P251 Do not pierce or burn, even after use. P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P211 Do not spray on an open flame or other ignition source. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P102 Keep out of reach of children. ***For consumer use only: P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P501 Dispose of waste and residues in accordance with local authority requirements***
Precautionary statement: Prevention	P261 Avoid breathing spray.
Precautionary statement: Response	P302+P352 IF ON SKIN: Wash with plenty of water. P337+P313 If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

None if used properly.

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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
Methylal 109-87-5	203-714-2	50- < 75 %	Flam. Liq. 2 H225
Propane 74-98-6	200-827-9 01-2119486944-21	10- < 25 %	Flam. Gas 1 H220 Press. Gas H280
1,3-Dioxolane 646-06-0	211-463-5	10- < 25 %	Flam. Liq. 2 H225
Propan-2-ol 67-63-0	200-661-7 01-2119457558-25	3- < 10 %	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336
Ethanol 64-17-5	200-578-6 01-2119457610-43	3- < 10 %	Eye Irrit. 2 H319 Flam. Liq. 2 H225
2-aminoethanol 141-43-5	205-483-3 01-2119486455-28	1- < 2,5 %	Acute Tox. 4; Oral H302 Acute Tox. 4; Dermal H312 Skin Corr. 1B H314 Acute Tox. 4; Inhalation H332 Aquatic Chronic 3 H412 STOT SE 3 H335
Butanone 78-93-3	201-159-0 01-2119457290-43	1- < 2,5 %	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336
Naphtha 64742-48-9	265-150-3 01-2119471843-32	1- < 2,5 %	Asp. Tox. 1 H304 STOT SE 3 H336 Flam. Liq. 3 H226 Aquatic Chronic 3 H412

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 Detergent Regulation 648/2004/EC

15 - 30 % aliphatic hydrocarbons
< 5 % non-ionic surfactants

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

EYE: Irritation, conjunctivitis.

SKIN: Redness, inflammation.

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

See section: Description of first aid measures

SECTION 5: Firefighting measures

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.

6.4. Reference to other sections

See advice in section 8

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.
- Do not eat, drink or smoke while working.

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

Occupational Exposure Limits

Valid for
Great Britain

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
Dimethoxymethane 109-87-5 [DIMETHOXYMETHANE]	1.250	3.950	Short Term Exposure Limit (STEL):		EH40 WEL
Dimethoxymethane 109-87-5 [DIMETHOXYMETHANE]	1.000	3.160	Time Weighted Average (TWA):		EH40 WEL
Ethanol 64-17-5 [ETHANOL]	1.000	1.920	Time Weighted Average (TWA):		EH40 WEL
Propan-2-ol 67-63-0 [PROPAN-2-OL]	500	1.250	Short Term Exposure Limit (STEL):		EH40 WEL
Propan-2-ol 67-63-0 [PROPAN-2-OL]	400	999	Time Weighted Average (TWA):		EH40 WEL
Butanone 78-93-3 [BUTAN-2-ONE (METHYL ETHYL KETONE)]	300	899	Short Term Exposure Limit (STEL):		EH40 WEL
Butanone 78-93-3 [BUTAN-2-ONE (METHYL ETHYL KETONE)]			Skin designation:	Can be absorbed through the skin.	EH40 WEL
Butanone 78-93-3 [BUTAN-2-ONE (METHYL ETHYL KETONE)]	200	600	Time Weighted Average (TWA):		EH40 WEL
Butanone 78-93-3 [BUTANONE]	200	600	Time Weighted Average (TWA):	Indicative	ECTLV
Butanone 78-93-3 [BUTANONE]	300	900	Short Term Exposure Limit (STEL):	Indicative	ECTLV
2-Aminoethanol 141-43-5 [2-AMINOETHANOL]	3	7,6	Short Term Exposure Limit (STEL):		EH40 WEL
2-Aminoethanol 141-43-5 [2-AMINOETHANOL]	1	2,5	Time Weighted Average (TWA):		EH40 WEL
2-Aminoethanol 141-43-5 [2-AMINOETHANOL]			Skin designation:	Can be absorbed through the skin.	EH40 WEL
2-Aminoethanol 141-43-5 [2-AMINOETHANOL]	3	7,6	Short Term Exposure Limit (STEL):	Indicative	ECTLV
2-Aminoethanol 141-43-5 [2-AMINOETHANOL]	1	2,5	Time Weighted Average (TWA):	Indicative	ECTLV
Paraffin waxes and Hydrocarbon waxes 8002-74-2 [PARAFFIN WAX, FUME]		2	Time Weighted Average (TWA):		EH40 WEL
Paraffin waxes and Hydrocarbon waxes 8002-74-2 [PARAFFIN WAX, FUME]		6	Short Term Exposure Limit (STEL):		EH40 WEL

Occupational Exposure Limits

Valid for
Ireland

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
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Dimethoxymethane 109-87-5 [METHYLAL]	1.000	3.100	Time Weighted Average (TWA):		IR_OEL
Dimethoxymethane 109-87-5 [METHYLAL]	1.250	3.880	Short Term Exposure Limit (STEL):		IR_OEL
Propane 74-98-6 [PROPANE]	1.000		Time Weighted Average (TWA):		IR_OEL
1,3-Dioxolane 646-06-0 [1,3-DIOXOLANE]	20		Time Weighted Average (TWA):		IR_OEL
Ethanol 64-17-5 [ETHANOL]	1.000		Short Term Exposure Limit (STEL):		IR_OEL
Propan-2-ol 67-63-0 [ISOPROPYL ALCOHOL]	400		Short Term Exposure Limit (STEL):		IR_OEL
Propan-2-ol 67-63-0 [ISOPROPYL ALCOHOL]	200		Time Weighted Average (TWA):		IR_OEL
Propan-2-ol 67-63-0 [ISOPROPYL ALCOHOL]			Skin designation:	Can be absorbed through the skin.	IR_OEL
Butanone 78-93-3 [METHYL ETHYL KETONE (MEK)]	200	600	Time Weighted Average (TWA):	Indicative OELV	IR_OEL
Butanone 78-93-3 [METHYL ETHYL KETONE (MEK)]	300	900	Short Term Exposure Limit (STEL):	Indicative OELV	IR_OEL
Butanone 78-93-3 [METHYL ETHYL KETONE (MEK)]			Skin designation:	Can be absorbed through the skin.	IR_OEL
Butanone 78-93-3 [BUTANONE]	200	600	Time Weighted Average (TWA):	Indicative	ECLTV
Butanone 78-93-3 [BUTANONE]	300	900	Short Term Exposure Limit (STEL):	Indicative	ECLTV
2-Aminoethanol 141-43-5 [2-AMINOETHANOL]	1	2,5	Time Weighted Average (TWA):	Indicative OELV	IR_OEL
2-Aminoethanol 141-43-5 [2-AMINOETHANOL]	3	7,6	Short Term Exposure Limit (STEL):	Indicative OELV	IR_OEL
2-Aminoethanol 141-43-5 [2-AMINOETHANOL]	3	7,6	Short Term Exposure Limit (STEL):	Indicative	ECLTV
2-Aminoethanol 141-43-5 [2-AMINOETHANOL]	1	2,5	Time Weighted Average (TWA):	Indicative	ECLTV
Paraffin waxes and Hydrocarbon waxes 8002-74-2 [PARAFFIN WAX, FUME]		2	Time Weighted Average (TWA):		IR_OEL
Paraffin waxes and Hydrocarbon waxes 8002-74-2 [PARAFFIN WAX, FUME]		6	Short Term Exposure Limit (STEL):		IR_OEL

Predicted No-Effect Concentration (PNEC):

Name on list	Environmental Compartment	Exposure period	Value				Remarks
			mg/l	ppm	mg/kg	others	
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		
Propan-2-ol 67-63-0	aqua (intermittent releases)					140,9 mg/L	
Propan-2-ol 67-63-0	sewage treatment plant (STP)					2251 mg/L	
Propan-2-ol 67-63-0	oral					160 mg/kg food	
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	sewage treatment plant (STP)					580 mg/L	
Ethanol 64-17-5	oral				720 mg/kg		
Ethanol 64-17-5	sediment (marine water)				2,9 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)					0,028 mg/L	
2-Aminoethanol 141-43-5	sediment (freshwater)				0,434 mg/kg		
2-Aminoethanol 141-43-5	sediment (marine water)				0,0434 mg/kg		
2-Aminoethanol 141-43-5	soil				0,0367 mg/kg		
2-Aminoethanol 141-43-5	sewage treatment plant (STP)					100 mg/L	
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	sewage treatment plant (STP)					709 mg/L	
Butanone 78-93-3	sediment (freshwater)				284,74 mg/kg		
Butanone 78-93-3	sediment (marine water)				284,7 mg/kg		
Butanone 78-93-3	soil				22,5 mg/kg		
Butanone	oral				1000		

78-93-3					mg/kg		
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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	sewage treatment plant (STP)					709 mg/L	
Butanone 78-93-3	sediment (freshwater)				284,74 mg/kg		
Butanone 78-93-3	sediment (marine water)				284,7 mg/kg		
Butanone 78-93-3	soil				22,5 mg/kg		
Butanone 78-93-3	oral				1000 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)					0,028 mg/L	
2-Aminoethanol 141-43-5	sediment (freshwater)				0,434 mg/kg		
2-Aminoethanol 141-43-5	sediment (marine water)				0,0434 mg/kg		
2-Aminoethanol 141-43-5	soil				0,0367 mg/kg		
2-Aminoethanol 141-43-5	sewage treatment plant (STP)					100 mg/L	
Benzotriazole 95-14-7	aqua (freshwater)					0,0194 mg/L	
Benzotriazole 95-14-7	aqua (intermittent releases)					0,158 mg/L	
Benzotriazole 95-14-7	aqua (marine water)					0,0194 mg/L	
Benzotriazole 95-14-7	sewage treatment plant (STP)					39,4 mg/L	
Benzotriazole 95-14-7	sediment (freshwater)				0,00375 mg/kg		
Benzotriazole 95-14-7	sediment (marine water)				0,00375 mg/kg		
Benzotriazole 95-14-7	soil				0,003 mg/kg		
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	sewage treatment plant (STP)					580 mg/L	
Ethanol 64-17-5	oral				720 mg/kg		
Ethanol	sediment				2,9 mg/kg		

64-17-5	(marine water)						
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		
Propan-2-ol 67-63-0	aqua (intermittent releases)					140,9 mg/L	
Propan-2-ol 67-63-0	sewage treatment plant (STP)					2251 mg/L	
Propan-2-ol 67-63-0	oral					160 mg/kg food	

Derived No-Effect Level (DNEL):

Name on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
Propan-2-ol 67-63-0	Workers	dermal	Long term exposure - systemic effects		888 mg/kg bw/day	
Propan-2-ol 67-63-0	Workers	inhalation	Long term exposure - systemic effects		500 mg/m3	
Propan-2-ol 67-63-0	general population	dermal	Long term exposure - systemic effects		319 mg/kg bw/day	
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 bw/day	
Ethanol 64-17-5	Workers	inhalation	Acute/short term exposure - local effects		1900 mg/m3	
Ethanol 64-17-5	Workers	dermal	Long term exposure - systemic effects		343 mg/kg bw/day	
Ethanol 64-17-5	Workers	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	
2-Aminoethanol 141-43-5	Workers	dermal	Long term exposure - systemic effects		1 mg/kg bw/day	
2-Aminoethanol 141-43-5	Workers	inhalation	Long term exposure - local effects		3,3 mg/m3	
2-Aminoethanol 141-43-5	general population	dermal	Long term exposure - systemic effects		0,24 mg/kg bw/day	
2-Aminoethanol 141-43-5	general population	inhalation	Acute/short term exposure - local effects		2 mg/m3	
2-Aminoethanol 141-43-5	general population	oral	Long term exposure - systemic effects		3,75 mg/kg bw/day	
2-Aminoethanol 141-43-5	general population	inhalation	Long term exposure - local effects		2 mg/m3	
2-Aminoethanol 141-43-5	general population	inhalation	Long term exposure - systemic effects		2 mg/m3	
Butanone 78-93-3	Workers	dermal	Long term exposure - systemic effects		1161 mg/kg bw/day	
Butanone 78-93-3	Workers	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 -		31 mg/kg bw/day	

			systemic effects			
Solvent naphtha (petroleum), heavy aliphatic, low benzene content 64742-48-9	Workers	dermal	Long term exposure - systemic effects		300 mg/kg bw/day	
Solvent naphtha (petroleum), heavy aliphatic, low benzene content 64742-48-9	Workers	Inhalation	Long term exposure - systemic effects		1500 mg/m ³	
Solvent naphtha (petroleum), heavy aliphatic, low benzene content 64742-48-9	general population	dermal	Long term exposure - systemic effects		300 mg/kg bw/day	
Solvent naphtha (petroleum), heavy aliphatic, low benzene content 64742-48-9	general population	Inhalation	Long term exposure - systemic effects		900 mg/m ³	
Solvent naphtha (petroleum), heavy aliphatic, low benzene content 64742-48-9	general population	oral	Long term exposure - systemic effects		300 mg/kg bw/day	

Derived No-Effect Level (DNEL):

Name on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
Butanone 78-93-3	Workers	dermal	Long term exposure - systemic effects		1161 mg/kg bw/day	
Butanone 78-93-3	Workers	inhalation	Long term exposure - systemic effects		600 mg/m ³	
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/m ³	
Butanone 78-93-3	general population	oral	Long term exposure - systemic effects		31 mg/kg bw/day	
2-Aminoethanol 141-43-5	Workers	dermal	Long term exposure - systemic effects		1 mg/kg bw/day	
2-Aminoethanol 141-43-5	Workers	inhalation	Long term exposure - local effects		3,3 mg/m ³	
2-Aminoethanol 141-43-5	general population	dermal	Long term exposure - systemic effects		0,24 mg/kg bw/day	
2-Aminoethanol 141-43-5	general population	inhalation	Acute/short term exposure - local effects		2 mg/m ³	
2-Aminoethanol 141-43-5	general population	oral	Long term exposure - systemic effects		3,75 mg/kg bw/day	
2-Aminoethanol 141-43-5	general population	inhalation	Long term exposure - local effects		2 mg/m ³	
2-Aminoethanol 141-43-5	general population	inhalation	Long term exposure - systemic effects		2 mg/m ³	
Solvent naphtha (petroleum), heavy aliphatic, low benzene content 64742-48-9	Workers	dermal	Long term exposure - systemic effects		300 mg/kg bw/day	
Solvent naphtha (petroleum), heavy aliphatic, low benzene content 64742-48-9	Workers	Inhalation	Long term exposure - systemic effects		1500 mg/m ³	
Solvent naphtha (petroleum), heavy aliphatic, low benzene content 64742-48-9	general population	dermal	Long term exposure - systemic effects		300 mg/kg bw/day	
Solvent naphtha (petroleum), heavy aliphatic, low benzene content 64742-48-9	general population	Inhalation	Long term exposure - systemic effects		900 mg/m ³	
Solvent naphtha (petroleum), heavy aliphatic, low benzene content 64742-48-9	general population	oral	Long term exposure - systemic effects		300 mg/kg bw/day	
Benzotriazole 95-14-7	general population	oral	Long term exposure - systemic effects		0,54 mg/kg bw/day	

Benzotriazole 95-14-7	general population	dermal	Long term exposure - systemic effects		0,54 mg/kg bw/day	
Benzotriazole 95-14-7	Workers	dermal	Long term exposure - systemic effects		1,08 mg/kg bw/day	
Benzotriazole 95-14-7	general population	inhalation	Long term exposure - systemic effects		9,55 mg/m ³	
Benzotriazole 95-14-7	Workers	inhalation	Long term exposure - systemic effects		19 mg/m ³	
Ethanol 64-17-5	Workers	inhalation	Acute/short term exposure - local effects		1900 mg/m ³	
Ethanol 64-17-5	Workers	dermal	Long term exposure - systemic effects		343 mg/kg bw/day	
Ethanol 64-17-5	Workers	inhalation	Long term exposure - systemic effects		950 mg/m ³	
Ethanol 64-17-5	general population	inhalation	Acute/short term exposure - local effects		950 mg/m ³	
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/m ³	
Ethanol 64-17-5	general population	oral	Long term exposure - systemic effects		87 mg/kg bw/day	
Propan-2-ol 67-63-0	Workers	dermal	Long term exposure - systemic effects		888 mg/kg bw/day	
Propan-2-ol 67-63-0	Workers	inhalation	Long term exposure - systemic effects		500 mg/m ³	
Propan-2-ol 67-63-0	general population	dermal	Long term exposure - systemic effects		319 mg/kg bw/day	
Propan-2-ol 67-63-0	general population	inhalation	Long term exposure - systemic effects		89 mg/m ³	
Propan-2-ol 67-63-0	general population	oral	Long term exposure - systemic effects		26 mg/kg bw/day	

Biological Exposure Indices:

Ingredient [Regulated substance]	Parameters	Biological specimen	Sampling time	Conc.	Basis of biol. exposure index	Remark	Additional Information
Butanone 78-93-3 [BUTAN-2-ONE]	Butan-2-one	Urine	Sampling time: End of shift.		UKEH40BMG V		

8.2. Exposure controls:

Respiratory protection:

Ensure adequate ventilation.

Use only in well-ventilated areas.

An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area

Filtertype: AX

Filter type: P2

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; \geq 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; \geq 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.

Protective eye equipment should conform to EN166.

Skin protection:

Wear suitable protective clothing.

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Advices to personal protection equipment:

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions. Personal protective equipment should conform to the relevant EN standard.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Appearance	aerosol Amber
Odor	Alcoholic
Odour threshold	No data available / Not applicable
pH	10,6 - 11,0
()	
Initial boiling point	-44 °C (-47.2 °F)
Flash point	-97 °C (-142.6 °F)
Decomposition temperature	No data available / Not applicable
Vapour pressure	8300 hPa
(20 °C (68 °F))	
Density	0,79 g/cm ³
(20 °C (68 °F))	
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)	Not miscible
(Solvent: Water)	
Solubility (qualitative)	Miscible
(Solvent: Acetone)	
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	1,70 %(V)
upper	10,90 %(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

Ignition temperature 235 °C (455 °F)

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 avoidStable under normal conditions of storage and use.
Heat, flames, sparks and other sources of ignition.**10.5. Incompatible materials**

None if used properly.

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 mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation (EC) No 1272/2008. 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:

Causes skin irritation.

Solvent may remove essential oils from the skin making it susceptible to attack from other chemicals.

Eye irritation:

Causes serious eye irritation.

Acute oral toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Propan-2-ol 67-63-0	LD50	5.840 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)
Ethanol 64-17-5	LD50	13.700 mg/kg	oral		rat	
2-aminoethanol 141-43-5	LD50	1.515 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)
Butanone 78-93-3	Acute toxicity estimate (ATE)	2.600 mg/kg	oral			Expert judgement
Butanone 78-93-3	LD50	2.600 - 5.400 mg/kg			rat	
Naphtha 64742-48-9	LD50	> 5.000 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)

Acute inhalative toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Propane 74-98-6	LC50	619 mg/l		4 h	mouse	
Propan-2-ol 67-63-0	LC50	72,6 mg/l		4 h	rat	
Ethanol 64-17-5	LC50	124,7 mg/l	vapour	4 h	rat	OECD Guideline 403 (Acute Inhalation Toxicity) Expert judgement
2-aminoethanol 141-43-5	Acute toxicity estimate (ATE)	1,5 mg/l	aerosol			
2-aminoethanol 141-43-5	LC50	1 - 5 mg/l		4 h	rat	
Butanone 78-93-3	LC50	> 5000 ppm		6 h	rat	
Naphtha 64742-48-9	LC50		vapour	4 h	rat	OECD Guideline 403 (Acute Inhalation Toxicity)

Acute dermal toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Propan-2-ol 67-63-0	LD50	12.870 mg/kg	dermal		rabbit	OECD Guideline 402 (Acute Dermal Toxicity)
Ethanol 64-17-5	LD50	> 2.000 mg/kg	dermal		rabbit	
2-aminoethanol 141-43-5	LD50	1.025 mg/kg	dermal		rabbit	
Butanone 78-93-3	LD50	6.400 - 8.000 mg/kg	dermal		rabbit	
Naphtha 64742-48-9	LD50	> 2.000 mg/kg	dermal		rabbit	OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/irritation:

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

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Propan-2-ol 67-63-0	moderately irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Ethanol 64-17-5	Category II		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
2-aminoethanol 141-43-5	corrosive		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Butanone 78-93-3	irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Naphtha 64742-48-9	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Propan-2-ol 67-63-0	not sensitising	Buehler test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
Ethanol 64-17-5	not sensitising	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
Ethanol 64-17-5	not sensitising	Mouse local lymphnode assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
2-aminoethanol 141-43-5	not sensitising	Guinea pig maximisation test	guinea pig	
Butanone 78-93-3	not sensitising	Guinea pig maximisation test	guinea pig	
Naphthalene 64742-48-9	not sensitising	Buehler test	guinea pig	OECD Guideline 406 (Skin Sensitisation)

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	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
	negative	in vitro mammalian chromosome aberration test	with and without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Propane 74-98-6	negative			Drosophila melanogaster	
Propan-2-ol 67-63-0	negative with metabolic activation	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Propan-2-ol 67-63-0	negative	intraperitoneal		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
Ethanol 64-17-5	negative	bacterial reverse mutation assay (e.g Ames test)			OECD Guideline 471 (Bacterial Reverse Mutation Assay)
	negative	in vitro mammalian chromosome aberration test	without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
	negative	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Ethanol 64-17-5	negative				OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test)
2-aminoethanol 141-43-5	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
	negative	in vitro mammalian chromosome aberration test	without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
	negative	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
2-aminoethanol 141-43-5	negative	oral: gavage		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
Butanone 78-93-3	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Naphtha 64742-48-9	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
	negative	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Naphtha 64742-48-9	negative	intraperitoneal		rat	OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test)

Carcinogenicity:

Hazardous components CAS-No.	Result	Species	Sex	Exposure timeFrequency of treatment	Route of application	Method
Propan-2-ol 67-63-0		rat	male/female	104 w 6 h/d, 5 d/w	inhalation: vapour	OECD Guideline 451 (Carcinogenicity Studies)
Ethanol 64-17-5		rat			oral: unspecified	
Ethanol 64-17-5		mouse	female		dermal	
Ethanol 64-17-5		mouse	male		inhalation	

Reproductive toxicity:

Hazardous substances CAS-No.	Result / Classification	Species	Exposure time	Species	Method
Propan-2-ol 67-63-0	NOAEL P = 853 mg/kg	One generation study oral: drinking water		rat	OECD Guideline 415 (One- Generation Reproduction Toxicity Study)
	NOAEL P = 500 mg/kg NOAEL F1 = 1.000 mg/kg	Two generation study oral: gavage		rat	OECD Guideline 416 (Two- Generation Reproduction Toxicity Study)
Ethanol 64-17-5	NOAEL P = 13.800 mg/kg	Two generation study oral: unspecified		mouse	OECD Guideline 416 (Two- Generation Reproduction Toxicity Study)
2-aminoethanol 141-43-5	NOAEL P = 300 mg/kg NOAEL F1 = 1.000 mg/kg NOAEL F2 = 1.000 mg/kg	Two generation study oral: feed		rat	OECD Guideline 416 (Two- Generation Reproduction Toxicity Study)
Naphtha 64742-48-9	NOAEL P = >= 20000 mg/m3 NOAEL F1 = >= 20000 mg/m3	Two generation study inhalation: vapour		rat	OECD Guideline 416 (Two- Generation Reproduction Toxicity Study)

Repeated dose toxicity

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Propane 74-98-6		inhalation: gas	28 d	rat	OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
Propan-2-ol 67-63-0		inhalation: vapour	at least 104 w6 h/d, 5 d/w	rat	
2-aminoethanol 141-43-5	NOAEL=300 mg/kg	oral: feed	> 75 ddaily	rat	other guideline:
Butanone 78-93-3	NOAEL=2500 ppm	inhalation	90 days6 hours/day, 5 days/week	rat	
Butanone 78-93-3	LOAEL=5000 ppm	inhalation	90 days6 hours/day, 5 days/week	rat	
Naphtha 64742-48-9		inhalation: vapour	6 h/d, 5 d/w for 4 weeksdaily	rat	OECD Guideline 412 (Repeated Dose Inhalation Toxicity: 28/14-Day)
Naphtha 64742-48-9	NOAEL=3.750 mg/kg	dermal	once per day	rat	OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)

SECTION 12: Ecological information**General ecological information:**

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation (EC) No 1272/2008. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

12.1. Toxicity**Ecotoxicity:**

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

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)
Methylal 109-87-5	EC10	> 500 mg/l	Algae	96 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Methylal 109-87-5	EC10	3.000 mg/l	Bacteria	17 h		DIN 38412, part 8 (Pseudomonas Zellvermehrungshe mm-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)
	ErC50	> 877 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Propan-2-ol 67-63-0	LC50	> 9.640 - 10.000 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity 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)
	NOEC	1.000 mg/l	Algae	96 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Propan-2-ol 67-63-0	EC 50	> 1.000 mg/l	Bacteria	3 h		OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
Propan-2-ol 67-63-0	NOEC	30 mg/l	chronic Daphnia	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)
Ethanol 64-17-5	LC50	14.200 mg/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)
Ethanol 64-17-5	EC0	6.500 mg/l	Bacteria	30 min		
Ethanol 64-17-5	NOEC	2 mg/l	chronic Daphnia	10 d		
2-aminoethanol 141-43-5	LC50	> 250 mg/l	Fish	48 h	Leuciscus idus	DIN 38412-15
	NOEC	1.221 mg/l	Fish		Brachydanio rerio (new name: Danio rerio)	OECD Guideline 210 (fish early lite stage toxicity test)
2-aminoethanol 141-43-5	EC50	85 mg/l	Daphnia	24 h	Daphnia magna	
2-aminoethanol 141-43-5	EC50	2,5 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
	NOEC	1 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
2-aminoethanol 141-43-5	EC 50	> 1.000 mg/l	Bacteria	3 h		OECD Guideline 209 (Activated

2-aminoethanol 141-43-5	NOEC	0,85 mg/l	chronic Daphnia	21 d	Daphnia magna	Sludge, Respiration Inhibition Test) OECD 211 (Daphnia magna, Reproduction 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)
Butanone 78-93-3	EC 50	> 1.000 mg/l	Bacteria			OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
Naphtha 64742-48-9	EC50	> 22 - 46 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Naphtha 64742-48-9	NOEC	< 1 mg/l	Algae	72 h	Pseudokirchnerella subcapitata (reported as Raphidocelis subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)

12.2. Persistence and degradability

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).

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Methylal 109-87-5			88 %	OECD 301 A - F
1,3-Dioxolane 646-06-0		aerobic	20 %	OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I))
Propan-2-ol 67-63-0	readily biodegradable	aerobic	70 - 84 %	EU Method C.4-E (Determination of the "Ready" Biodegradability Closed Bottle Test)
Ethanol 64-17-5	readily biodegradable	aerobic	80 - 85 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
2-aminoethanol 141-43-5	readily biodegradable	aerobic	> 80 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Butanone 78-93-3	readily biodegradable	aerobic	> 60 %	OECD 301 A - F
Naphtha 64742-48-9	readily biodegradable	aerobic	89 %	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)

12.3. Bioaccumulative potential / 12.4. Mobility in soil

Mobility:

The product evaporates readily.

Bioaccumulative potential:

Does not bioaccumulate.

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

12.5. Results of PBT and vPvB assessment

Hazardous components CAS-No.	PBT/vPvB
Propane 74-98-6	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Propan-2-ol 67-63-0	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Ethanol 64-17-5	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
2-aminoethanol 141-43-5	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Butanone 78-93-3	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Naphtha 64742-48-9	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

12.6. Other adverse effects

No data available.

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**14.1. UN number**

ADR	1950
RID	1950
ADN	1950
IMDG	1950
IATA	1950

14.2. UN proper shipping name

ADR	AEROSOLS
RID	AEROSOLS
ADN	AEROSOLS
IMDG	AEROSOLS
IATA	Aerosols, flammable

14.3. Transport hazard class(es)

ADR	2.1
RID	2.1
ADN	2.1
IMDG	2.1
IATA	2.1

14.4. Packing group

ADR
RID
ADN
IMDG
IATA

14.5. Environmental hazards

ADR	not applicable
RID	not applicable
ADN	not applicable
IMDG	not applicable
IATA	not applicable

14.6. Special precautions for user

ADR	not applicable Tunnelcode: (D)
RID	not applicable
ADN	not applicable
IMDG	IMDG-Code: Segregation group 18- Alkalis
IATA	not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

VOC content 82,09 %
(2010/75/EC)

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

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:

- H220 Extremely flammable gas.
- H225 Highly flammable liquid and vapor.
- H226 Flammable liquid and vapor.
- H280 Contains gas under pressure; may explode if heated.
- 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.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H412 Harmful 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.

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.

Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.