



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

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Lixtop

sds no. : 345382
V002.2

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

1.1. Product identifier

Lixtop

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

Intended use:
Cleaner

1.3. 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

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):

No data available.

Classification (DPD):

No classification required.

2.2. Label elements

Label elements (CLP):

No data available.

Label elements (DPD):

Risk phrases:
not applicable

Safety phrases:
not applicable

Additional information:

The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EC" as issued in the last version.

Additional labeling:

Safety data sheet available for professional user on request.

2.3. Other hazards

None if used properly.

SECTION 3: Composition/information on ingredients**Declaration of the ingredients according to CLP (EC) No 1272/2008:**

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
1-Methoxy -2-propanol 107-98-2	203-539-1 01-2119457435-35	1- 5 %	Flammable liquids 3 H226 Specific target organ toxicity - single exposure 3 H336
Ethanol 64-17-5	200-578-6 01-2119457610-43	1- 5 %	Serious eye irritation 2 H319 Flammable liquids 2 H225
2-(2-Butoxyethoxy)ethanol 112-34-5	203-961-6	1- 5 %	Serious eye irritation 2 H319
1-Propoxypropan-2-ol 1569-01-3	216-372-4	1- 5 %	Flammable liquids 3 H226
Benzenesulfonic acid, C10-13-alkyl derivs., compds. with triethanolamine 68411-31-4	270-116-6	1- 5 %	No data available.
2-Amino-2-methylpropanol 124-68-5	204-709-8 01-2119475788-16	1- 3 %	Chronic hazards to the aquatic environment 3 H412 Skin irritation 2 H315 Serious eye irritation 2 H319
(2-Methoxymethylethoxy)propanol 34590-94-8	252-104-2	5- 10 %	No data available.
Dodecan-1-ol, 2 - 5 EO 9002-92-0		0,1- 1 %	No data available.

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
1-Methoxy -2-propanol 107-98-2	203-539-1 01-2119457435-35	1 - 5 %	R67 R10
Ethanol 64-17-5	200-578-6 01-2119457610-43	1 - 5 %	F - Highly flammable; R11
2-(2-Butoxyethoxy)ethanol 112-34-5	203-961-6	1 - 5 %	Xi - Irritant; R36
1-Propoxypropan-2-ol 1569-01-3	216-372-4	1 - 5 %	R10
Benzenesulfonic acid, C10-13-alkyl derivs., compds. with triethanolamine 68411-31-4	270-116-6	1 - 5 %	Xi - Irritant; R38, R41
2-Amino-2-methylpropanol 124-68-5	204-709-8 01-2119475788-16	1 - 3 %	Xi - Irritant; R36/38 R52/53
(2-Methoxymethylethoxy)propanol 34590-94-8	252-104-2	5 - 10 %	
Dodecan-1-ol, 2 - 5 EO 9002-92-0		0,1 - 1 %	Xi - Irritant; R41 N - Dangerous for the environment; R50

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 %	non-ionic surfactants anionic surfactants
Allergenic fragrance ingredients >=100 ppm:	Cymbopogon Nardus (Citronella) Oil, Citrus Aurantium Dulcis Fruit Extract

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

If unconscious place recovery position and inform emergency services.

Inhalation:

Move to fresh air.

In case of adverse health effects seek medical advice.

Skin contact:

Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing.

Eye contact:

Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

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

No data available.

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.
water spray jet

Extinguishing media which must not be used for safety reasons:

Water jet (solvent-containing product).

5.2. Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in fires.

5.3. Advice for firefighters

Wear protective equipment.

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

Danger of slipping on spilled product.

Avoid contact with skin and eyes.

Ensure adequate ventilation.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Wipe up using absorbent material.
Dispose of contaminated material as waste according to Chapter 13.

6.4. Reference to other sections

See advice in chapter 8

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Avoid skin and eye contact.
Use only in well-ventilated areas.
See advice in chapter 8
Avoid open flames and sources of ignition.
Take measures to prevent the build-up of electrostatic charges.

Hygiene measures:

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 only in the original container.

7.3. Specific end use(s)

Cleaner

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Valid for
Great Britain

Ingredient	ppm	mg/m ³	Type	Category	Remarks
(2-METHOXYMETHYLETHOXY) PROPANOL 34590-94-8	50	308	Time Weighted Average (TWA):		EH40 WEL
(2-METHOXYMETHYLETHOXY) PROPANOL 34590-94-8			Skin designation:	Can be absorbed through the skin.	EH40 WEL
(2-METHOXYMETHYLETHOXY)-PROPANOL 34590-94-8	50	308	Time Weighted Average (TWA):	Indicative	ECTLV
1-METHOXYPROPAN-2-OL 107-98-2	100	375	Time Weighted Average (TWA):		EH40 WEL
1-METHOXYPROPAN-2-OL 107-98-2			Skin designation:	Can be absorbed through the skin.	EH40 WEL
1-METHOXYPROPAN-2-OL 107-98-2	150	560	Short Term Exposure Limit (STEL):		EH40 WEL
1-METHOXYPROPANOL-2 107-98-2	100	375	Time Weighted Average (TWA):	Indicative	ECTLV
1-METHOXYPROPANOL-2 107-98-2	150	568	Short Term Exposure Limit (STEL):	Indicative	ECTLV
ETHANOL 64-17-5	1.000	1.920	Time Weighted Average (TWA):		EH40 WEL
2-(2-BUTOXYETHOXY)ETHANOL 112-34-5	15	101,2	Short Term Exposure Limit (STEL):		EH40 WEL
2-(2-BUTOXYETHOXY)ETHANOL 112-34-5	10	67,5	Time Weighted Average (TWA):		EH40 WEL
2-(2-BUTOXYETHOXY)ETHANOL 112-34-5	10	67,5	Time Weighted Average (TWA):	Indicative	ECTLV
2-(2-BUTOXYETHOXY)ETHANOL 112-34-5	15	101,2	Short Term Exposure Limit (STEL):	Indicative	ECTLV

Predicted No-Effect Concentration (PNEC):

Name on list	Environmental Compartment	Exposure period	Value				Remarks
			mg/l	ppm	mg/kg	others	
1-Methoxy -2-propanol 107-98-2	aqua (freshwater)					10 mg/L	
1-Methoxy -2-propanol 107-98-2	aqua (marine water)					1 mg/L	
1-Methoxy -2-propanol 107-98-2	aqua (intermittent releases)					100 mg/L	
1-Methoxy -2-propanol 107-98-2	sediment (freshwater)				52,3 mg/kg		
1-Methoxy -2-propanol 107-98-2	aqua (marine water)				5,2 mg/kg		
1-Methoxy -2-propanol 107-98-2	soil				5,49 mg/kg		
1-Methoxy -2-propanol 107-98-2	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		
2-Amino-2-methylpropanol 124-68-5	aqua (freshwater)					0,188 mg/L	
2-Amino-2-methylpropanol 124-68-5	aqua (marine water)					0,0188 mg/L	
2-Amino-2-methylpropanol 124-68-5	STP					10 mg/L	
2-Amino-2-methylpropanol 124-68-5	soil				0,03 mg/kg		
2-Amino-2-methylpropanol 124-68-5	aqua (intermittent releases)					1,88 mg/L	
2-Amino-2-methylpropanol 124-68-5	sediment (freshwater)				0,71 mg/kg		
2-Amino-2-methylpropanol 124-68-5	aqua (marine water)				0,071 mg/kg		

Derived No-Effect Level (DNEL):

Name on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
1-Methoxy -2-propanol 107-98-2	worker	inhalation	Acute/short term exposure - local effects		553,5 mg/m ³	
1-Methoxy -2-propanol 107-98-2	worker	dermal	Long term exposure - systemic effects		50,6 mg/kg bw/day	
1-Methoxy -2-propanol 107-98-2	worker	inhalation	Long term exposure - systemic effects		369 mg/m ³	
1-Methoxy -2-propanol 107-98-2	general population	dermal	Long term exposure - systemic effects		18,1 mg/kg bw/day	
1-Methoxy -2-propanol 107-98-2	general population	inhalation	Long term exposure - systemic effects		43,9 mg/m ³	
1-Methoxy -2-propanol 107-98-2	general population	oral	Long term exposure - systemic effects		3,3 mg/kg bw/day	
Ethanol 64-17-5	worker	inhalation	Acute/short term exposure - local effects		1900 mg/m ³	
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/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	
2-Amino-2-methylpropanol 124-68-5	worker	dermal	Long term exposure - systemic effects		1,16 mg/kg	
2-Amino-2-methylpropanol 124-68-5	worker	inhalation	Long term exposure - systemic effects		1,16 mg/m ³	
2-Amino-2-methylpropanol 124-68-5	worker	oral	Long term exposure - systemic effects		0,35 mg/kg	
2-Amino-2-methylpropanol 124-68-5	general population	inhalation	Long term exposure - systemic effects		4,7 mg/m ³	
2-Amino-2-methylpropanol 124-68-5	general population	dermal	Long term exposure - systemic effects		2,3 mg/kg	

8.2. Exposure controls:

Engineering controls:

Ensure good ventilation/suction at the workplace.

Respiratory protection:

In case of aerosol formation, we recommend wearing of appropriate respiratory protection equipment with ABEK P2 filter. This recommendation should be matched to local conditions.

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): Isobutylene-isoprene rubber (IIR; >= 0.7 mm thickness) Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): Isobutylene-isoprene rubber (IIR; >= 0.7 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:

Protective goggles

Skin protection:

Suitable protective clothing

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

Appearance	liquid clear colourless
Odor	characteristic
pH (20 °C (68 °F); Conc.: 100 %)	6,0 - 9,9
Initial boiling point	No data available / Not applicable
Flash point	50 - 60 °C (122 - 140 °F); Flash Point, Pensky-Martens The product does not support combustion in any way.
Decomposition temperature	No data available / Not applicable
Vapour pressure	No data available / Not applicable
Density (20 °C (68 °F))	0,980 - 1,010 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)	No data available / Not applicable
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

9.2. Other information

No data available / Not applicable

SECTION 10: Stability and reactivity**10.1. Reactivity**

Reaction with strong oxidants.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

See section reactivity

10.4. Conditions to avoid

No decomposition if used according to specifications.

10.5. Incompatible materials

None if used properly.

10.6. Hazardous decomposition products

None if used for intended purpose.

In case of fire toxic gases can be released.

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:

Acute oral toxicity: LD50 > 2000 mg/kg body weight (calculated).

Inhalative toxicity:

The toxicity of the product is due to its narcotic effect after inhalation.

Skin irritation:

Prolonged or repeated skin contact can lead to skin degreasing and hence to skin irritation.

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
1-Methoxy -2-propanol 107-98-2	LD50 LC50 LD50	5.900 mg/kg 54,6 mg/l 13.000 mg/kg	oral inhalation dermal	4 h	rat rat rabbit	
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	
2-(2- Butoxyethoxy)ethanol 112-34-5	LD50 LD50	> 2.000 mg/kg 2.800 mg/kg	oral dermal		rat rabbit	EU Method B.1 (Acute Toxicity (Oral))
2-Amino-2- methylpropanol 124-68-5	LD50	2.900 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)
(2- Methoxymethylethoxy)pr opropanol 34590-94-8	LD50	8.740 mg/kg	oral		rat	

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
1-Methoxy -2-propanol 107-98-2	not irritating		rabbit	
Ethanol 64-17-5	not irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
2-(2- Butoxyethoxy)ethanol 112-34-5	not irritating		rabbit	

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
1-Methoxy -2-propanol 107-98-2	slightly irritating		rabbit	
Ethanol 64-17-5	Category II		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
2-(2- Butoxyethoxy)ethanol 112-34-5	moderately irritating		rabbit	

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Ethanol 64-17-5	not sensitising	Guinea pig maximisa- tion test	guinea pig	
2-(2- Butoxyethoxy)ethanol 112-34-5	not sensitising	Guinea pig maximisa- tion test	guinea pig	
2-Amino-2- methylpropanol 124-68-5	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
1-Methoxy -2-propanol 107-98-2	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
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)
2-(2- Butoxyethoxy)ethanol 112-34-5	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
2-Amino-2- methylpropanol 124-68-5	negative		with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
(2- Methoxymethylethoxy)pr opropanol 34590-94-8	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
1-Methoxy -2-propanol 107-98-2	NOAEL=1000 ppm	inhalation	13 weeks 6 hours/day; 5 days/week	rat	OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day)
2-(2- Butoxyethoxy)ethanol 112-34-5	NOAEL=> 2000 mg/kg		13 weeks 6 hours/day, 5 days/week	rat	
2-(2- Butoxyethoxy)ethanol 112-34-5	NOAEL=< 50 mg/kg	oral: gavage	90 days 5 days/week	rat	
2-(2- Butoxyethoxy)ethanol 112-34-5	NOAEL=2 - 6 ppm	inhalation	90 days	rat	
2-Amino-2- methylpropanol 124-68-5	NOAEL=< 500 mg/kg	oral: gavage	90 days 5 days per week	rat	
(2- Methoxymethylethoxy)pr opropanol 34590-94-8	NOAEL=> 50 mg/l	inhalation	2 weeks (9 exposures) 6 hours/day; 5 days/week	rabbit	

SECTION 12: Ecological information**General ecological 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.

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

Persistence and degradability:**Degradation of surfactants**

The biodegradability of the surfactants contained in the product is in accordance with the requirements of the EU Detergent Regulation (EC/648/2004).

The surfactants contained in the products are primary biodegradable to at least 90% on average.

Ultimate biodegradation:

The material is degraded quickly. The total of the organic substances contained in the product reach at least 60% BOD28/COD in the Closed Bottle Test or at least 70% DOC removal in the Modified OECD Screening Test. (OECD-limits for classification "readily biodegradable": at least 60% BOD28/COD resp. at least 70% DOC).

12.1. Toxicity

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
1-Methoxy -2-propanol 107-98-2	LC50	20.800 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
1-Methoxy -2-propanol 107-98-2	EC50	23.300 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
1-Methoxy -2-propanol 107-98-2	EC50	> 1.000 mg/l	Algae	7 d	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	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)
2-(2-Butoxyethoxy)ethanol 112-34-5	LC50	1.300 mg/l	Fish	96 h	Lepomis macrochirus	OECD Guideline 203 (Fish, Acute Toxicity Test)
2-(2-Butoxyethoxy)ethanol 112-34-5	EC50	3.300 mg/l	Daphnia	24 h	Daphnia magna	
2-(2-Butoxyethoxy)ethanol 112-34-5	EC50	> 100 mg/l	Algae	96 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
1-Propoxypropan-2-ol 1569-01-3	LC50	1.732 mg/l	Fish	96 h	Brachydanio rerio (new name: Danio rerio)	
1-Propoxypropan-2-ol 1569-01-3	EC50	> 600 mg/l	Daphnia	24 h	Daphnia magna	
1-Propoxypropan-2-ol 1569-01-3	EC50	1.466 mg/l	Algae		Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Benzenesulfonic acid, C10- 13-alkyl derivs., compds. with triethanolamine 68411-31-4	LC50	7,5 mg/l	Fish	48 h	Leuciscus idus	
Benzenesulfonic acid, C10-13- alkyl derivs., compds. with triethanolamine 68411-31-4	EC50	12,5 mg/l	Daphnia	24 h	Daphnia magna	
Benzenesulfonic acid, C10-13- alkyl derivs., compds. with triethanolamine 68411-31-4	EC50	26,4 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
2-Amino-2-methylpropanol 124-68-5	LC50	324 mg/l	Fish	96 h	Brachydanio rerio (new name: Danio rerio)	
2-Amino-2-methylpropanol 124-68-5	EC50	193 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
2-Amino-2-methylpropanol 124-68-5	EC50	520 mg/l	Algae	72 h		OECD Guideline 201 (Alga, Growth Inhibition Test)
(2- Methoxymethylethoxy)propan ol 34590-94-8	LC50	> 1.000 mg/l	Fish	96 h	Brachydanio rerio (new name: Danio rerio)	
(2- Methoxymethylethoxy)propan ol 34590-94-8	EC50	> 1.000 mg/l	Daphnia	24 h	Daphnia magna	

12.2. Persistence and degradability

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
1-Methoxy -2-propanol 107-98-2	readily biodegradable	aerobic	90 %	OECD Guideline 301 E (Ready biodegradability: Modified OECD Screening Test)
Ethanol 64-17-5	readily biodegradable	aerobic	80 - 85 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
2-(2-Butoxyethoxy)ethanol 112-34-5	readily biodegradable	aerobic	94 %	OECD Guideline 301 A (new version) (Ready Biodegradability: DOC Die Away Test)
1-Propoxypropan-2-ol 1569-01-3	readily biodegradable	aerobic	97 %	EU Method C.4-E (Determination of the "Ready" Biodegradability Closed Bottle Test)
Benzenesulfonic acid, C10-13-alkyl derivs., compds. with triethanolamine 68411-31-4	readily biodegradable	aerobic	92 %	EU Method C.4-B (Determination of the "Ready" Biodegradability Modified OECD Screening Test)
2-Amino-2-methylpropanol 124-68-5		aerobic	0 - 1 %	EU Method C.4-E (Determination of the "Ready" Biodegradability Closed Bottle Test)
(2-Methoxymethylethoxy)propanol 34590-94-8	readily biodegradable	aerobic	75 %	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)

12.3. Bioaccumulative potential / 12.4. Mobility in soil

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
1-Methoxy -2-propanol 107-98-2	-0,49					
Ethanol 64-17-5	-0,31					
2-(2-Butoxyethoxy)ethanol 112-34-5	0,56					
2-Amino-2-methylpropanol 124-68-5	-0,74					

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Product disposal:

In consultation with the responsible local authority, must be subjected to special treatment.

Waste code

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

070604

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

Not dangerous goods

Railroad transport RID:

Not dangerous goods

Inland water transport ADN:

Not dangerous goods

Marine transport IMDG:

Not dangerous goods

Air transport IATA:

Not dangerous goods

Risk indication:

Not classified as dangerous good if transport temperature is less than 49 degrees centigrade.

SECTION 15: Regulatory information

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

VOC content 19,8 %
(1999/13/EC)

National regulations/information (Great Britain):

Remarks	Control of Substances Hazardous to Health Regulations (COSHH), and related guidance, e.g COSHH Essentials. EH40 Occupational Exposure Limits Chemicals (Hazard Information & Packaging for Supply) Regulations. The Personnel Protective Equipment at Work Regulations. The Carriage of Dangerous Goods by Road Regulations. The Health & Safety at Work Act 1974. (Note: Use latest editions/amendments of above referenced documents.)
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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.
R36 Irritating to eyes.
R36/38 Irritating to eyes and skin.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.
R50 Very toxic to aquatic organisms.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67 Vapours may cause drowsiness and dizziness.
H225 Highly flammable liquid and vapor.
H226 Flammable liquid and vapor.
H315 Causes skin irritation.
H319 Causes serious eye 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.