



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

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TEROSON VR 625 400ML DE/PL/HUCZ

SDS No. : 563063
V002.0

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

1.1. Product identifier

TEROSON VR 625 400ML DE/PL/HUCZ

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

Intended use:

Rust converter

1.3. Details of the supplier of the safety data sheet

Henkel Ltd

Adhesives

Wood Lane End

HP2 4RQ Hemel Hempstead

Great Britain

Phone: +44 (1442) 278000

ua-productsafety.uk@henkel.com

1.4. Emergency telephone number

24 Hours Emergency Tel: +44 0 8701 906777 - For further general health & safety, technical and practical advice on this product, please call +44 (0) 1606 593933 or write to: Technical Services; Henkel Limited; Road 5; Winsford Industrial Estate; Winsford; Cheshire; CW7 3QY- Email: technical.services@henkel.co.uk

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 damage	Category 1
H318 Causes serious eye damage.	
Skin sensitizer	Category 1
H317 May cause an allergic skin reaction.	
Specific target organ toxicity - single exposure	Category 3
H336 May cause drowsiness or dizziness.	
Target organ: Central Nervous System	
Specific target organ toxicity - repeated exposure	Category 2
H373 May cause damage to organs through prolonged or repeated exposure.	

2.2. Label elements

Label elements (CLP):

Hazard pictogram:**Contains**

Xylene - mixture of isomeres

Acetone

Butan-1-ol

CP Bisphenol A Diglycidylether

Signal word:

Danger

Hazard statement:

H222 Extremely flammable aerosol.
 H229 Pressurised container: May burst if heated.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H336 May cause drowsiness or dizziness.
 H373 May cause damage to organs through prolonged or repeated exposure.

**Precautionary statement:
Prevention**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P211 Do not spray on an open flame or other ignition source.
 P251 Do not pierce or burn, even after use.
 P260 Do not breathe mist/vapours.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary statement:
Response**

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor.

**Precautionary statement:
Storage**

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

2.3. Other hazards

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

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

Persons suffering from allergic reactions to epoxides should avoid contact with the product.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****General chemical description:**

Car-care product

Base substances of preparation:

Hydrocarbon resins

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

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Dimethyl ether 115-10-6	204-065-8 01-2119472128-37	25- < 50 %	Flam. Gas 1 H220 Press. Gas H280
Xylene - mixture of isomeres 1330-20-7	215-535-7 01-2119488216-32	10- < 25 %	Asp. Tox. 1 H304 Acute Tox. 4; Inhalation H332 Acute Tox. 4; Dermal H312 Skin Irrit. 2 H315 Flam. Liq. 3 H226 Eye Irrit. 2 H319 STOT SE 3 H335 STOT RE 2 H373
Acetone 67-64-1	200-662-2 01-2119471330-49	10- < 25 %	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336
Butan-1-ol 71-36-3	200-751-6 01-2119484630-38	2,5- < 10 %	Flam. Liq. 3 H226 Acute Tox. 4; Oral H302 STOT SE 3 H335 Skin Irrit. 2 H315 Eye Dam. 1 H318 STOT SE 3 H336
Propan-2-ol 67-63-0	200-661-7 01-2119457558-25	2,5- < 10 %	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336
1-Methoxy -2-propanol 107-98-2	203-539-1 01-2119457435-35	2,5- < 10 %	Flam. Liq. 3 H226 STOT SE 3 H336
CP Bisphenol A Diglycidylether 25036-25-3		1- < 2,5 %	Eye Irrit. 2 H319 Skin Irrit. 2 H315 Skin Sens. 1 H317 Aquatic Chronic 2 H411
2-Methylpropan-1-ol 78-83-1	201-148-0 01-2119484609-23	0,1- < 1 %	Flam. Liq. 3 H226 STOT SE 3 H335 Skin Irrit. 2 H315 Eye Dam. 1 H318 STOT SE 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.**

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

Move to fresh air, consult doctor if complaint persists.

Skin contact:

IF ON SKIN: Wash with plenty of soap and water.

In case of adverse health effects seek medical advice.

Eye contact:

Immediately flush eyes with soft jet of water or eye rinse solution for at least 5 minutes. If pains remain (intensive smarting, sensitivity to light, visual disturbance) continue flushing and contact/seek doctor or hospital.

Ingestion:

not relevant.

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

EYE: Irritation, conjunctivitis.

SKIN: Redness, inflammation.

SKIN: Rash, Urticaria.

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: Fire fighting measures

5.1. Extinguishing media

Suitable extinguishing media:

All common extinguishing agents are suitable.

Extinguishing media which must not be used for safety reasons:

High pressure waterjet

5.2. Special hazards arising from the substance or mixture

In case of fire toxic gases can be released.

5.3. Advice for firefighters

Wear protective equipment.

Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment.

Avoid contact with skin and eyes.

Keep unprotected persons away.

Danger of slipping on spilled product.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Remove with liquid-absorbing material (sand, peat, sawdust).

Dispose of contaminated material as waste according to Section 13.

6.4. Reference to other sections

See advice in section 8

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

Hygiene measures:

- Wash hands before work breaks and after finishing work.
- Do not eat, drink or smoke while working.
- Take off contaminated clothing and wash before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Ensure good ventilation/extraction.

Storage at 10 to 35°C is recommended.

Do not store or use near heat, spark, open flame or other sources of ignition.

Store in a cool place.

Keep away from heat and direct sunlight.

Keep container in a well ventilated place.

Ensure that storage and workrooms are adequately ventilated.

7.3. Specific end use(s)

Rust converter

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
Dimethyl ether 115-10-6 [DIMETHYLETHER]	500	958	Short Term Exposure Limit (STEL):		EH40 WEL
Dimethyl ether 115-10-6 [DIMETHYLETHER]	400	766	Time Weighted Average (TWA):		EH40 WEL
Dimethyl ether 115-10-6 [DIMETHYLETHER]	1.000	1.920	Time Weighted Average (TWA):	Indicative	ECLTV
Xylene 1330-20-7 [XYLENE, O-, M-, P- OR MIXED ISOMERS]			Skin designation:	Can be absorbed through the skin.	EH40 WEL
Xylene 1330-20-7 [XYLENE, O-, M-, P- OR MIXED ISOMERS]	100	441	Short Term Exposure Limit (STEL):		EH40 WEL
Xylene 1330-20-7 [XYLENE, O-, M-, P- OR MIXED ISOMERS]	50	220	Time Weighted Average (TWA):		EH40 WEL
Xylene 1330-20-7 [XYLENE, MIXED ISOMERS, PURE]	50	221	Time Weighted Average (TWA):	Indicative	ECLTV
Xylene 1330-20-7 [XYLENE, MIXED ISOMERS, PURE]	100	442	Short Term Exposure Limit (STEL):	Indicative	ECLTV
Acetone 67-64-1 [ACETONE]	1.500	3.620	Short Term Exposure Limit (STEL):		EH40 WEL
Acetone 67-64-1 [ACETONE]	500	1.210	Time Weighted Average (TWA):		EH40 WEL
Acetone 67-64-1 [ACETONE]	500	1.210	Time Weighted Average (TWA):	Indicative	ECLTV
1-Methoxypropan-2-ol 107-98-2 [1-METHOXYPROPAN-2-OL]	150	560	Short Term Exposure Limit (STEL):		EH40 WEL
1-Methoxypropan-2-ol 107-98-2 [1-METHOXYPROPAN-2-OL]			Skin designation:	Can be absorbed through the skin.	EH40 WEL
1-Methoxypropan-2-ol 107-98-2 [1-METHOXYPROPAN-2-OL]	100	375	Time Weighted Average (TWA):		EH40 WEL
1-Methoxypropan-2-ol 107-98-2 [1-METHOXYPROPANOL-2]	100	375	Time Weighted Average (TWA):	Indicative	ECLTV
1-Methoxypropan-2-ol 107-98-2 [1-METHOXYPROPANOL-2]	150	568	Short Term Exposure Limit (STEL):	Indicative	ECLTV
Butan-1-ol 71-36-3 [BUTAN-1-OL]	50	154	Short Term Exposure Limit (STEL):		EH40 WEL
Butan-1-ol 71-36-3 [BUTAN-1-OL]			Skin designation:	Can be absorbed through the skin.	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	400	999	Time Weighted Average (TWA):		EH40 WEL

[PROPAN-2-OL]					
2-Methylpropan-1-ol 78-83-1 [2-METHYLPROPAN-1-OL]	75	231	Short Term Exposure Limit (STEL):		EH40 WEL
2-Methylpropan-1-ol 78-83-1 [2-METHYLPROPAN-1-OL]	50	154	Time Weighted Average (TWA):		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
Dimethyl ether 115-10-6 [DIMETHYLETHER]	1.000	1.920	Time Weighted Average (TWA):	Indicative OELV	IR_OEL
Dimethyl ether 115-10-6 [DIMETHYLETHER]	1.000	1.920	Time Weighted Average (TWA):	Indicative	ECTLV
Xylene 1330-20-7 [XYLENE, MIXED ISOMERS]	100	442	Short Term Exposure Limit (STEL):	Indicative OELV	IR_OEL
Xylene 1330-20-7 [XYLENE, MIXED ISOMERS]			Skin designation:	Can be absorbed through the skin.	IR_OEL
Xylene 1330-20-7 [XYLENE, MIXED ISOMERS]	50	221	Time Weighted Average (TWA):	Indicative OELV	IR_OEL
Xylene 1330-20-7 [XYLENE, MIXED ISOMERS, PURE]	50	221	Time Weighted Average (TWA):	Indicative	ECTLV
Xylene 1330-20-7 [XYLENE, MIXED ISOMERS, PURE]	100	442	Short Term Exposure Limit (STEL):	Indicative	ECTLV
Acetone 67-64-1 [ACETONE]	500	1.210	Time Weighted Average (TWA):	Indicative OELV	IR_OEL
Acetone 67-64-1 [ACETONE]	500	1.210	Time Weighted Average (TWA):	Indicative	ECTLV
1-Methoxypropan-2-ol 107-98-2 [PROPYLENE GLYCOL MONOMETHYL ETHER]	100	375	Time Weighted Average (TWA):	Indicative OELV	IR_OEL
1-Methoxypropan-2-ol 107-98-2 [PROPYLENE GLYCOL MONOMETHYL ETHER]	150	568	Short Term Exposure Limit (STEL):	Indicative OELV	IR_OEL
1-Methoxypropan-2-ol 107-98-2 [1-METHOXYPROPANOL-2]	100	375	Time Weighted Average (TWA):	Indicative	ECTLV
1-Methoxypropan-2-ol 107-98-2 [1-METHOXYPROPANOL-2]	150	568	Short Term Exposure Limit (STEL):	Indicative	ECTLV
Butan-1-ol 71-36-3 [BUTAN-1-OL]	20		Time Weighted Average (TWA):		IR_OEL
Butan-1-ol 71-36-3 [BUTAN-1-OL]			Skin designation:	Can be absorbed through the skin.	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
2-Methylpropan-1-ol 78-83-1 [ISOBUTYL ALCOHOL]	75	225	Short Term Exposure Limit (STEL):		IR_OEL
2-Methylpropan-1-ol	50	150	Time Weighted Average		IR_OEL

78-83-1 [ISOBUTYL ALCOHOL]			(TWA):		
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Predicted No-Effect Concentration (PNEC):

Name on list	Environmental Compartment	Exposure period	Value				Remarks
			mg/l	ppm	mg/kg	others	
Dimethyl ether 115-10-6	aqua (freshwater)		0,155 mg/l				
Dimethyl ether 115-10-6	sediment (freshwater)				0,681 mg/kg		
Dimethyl ether 115-10-6	Soil				0,045 mg/kg		
Dimethyl ether 115-10-6	sewage treatment plant (STP)		160 mg/l				
Dimethyl ether 115-10-6	aqua (marine water)		0,016 mg/l				
Dimethyl ether 115-10-6	aqua (intermittent releases)		1,549 mg/l				
Dimethyl ether 115-10-6	sediment (marine water)				0,069 mg/kg		
Xylene - mixture of isomeres 1330-20-7	aqua (freshwater)		0,327 mg/l				
Xylene - mixture of isomeres 1330-20-7	sediment (freshwater)				12,46 mg/kg		
Xylene - mixture of isomeres 1330-20-7	Soil				2,31 mg/kg		
Xylene - mixture of isomeres 1330-20-7	aqua (marine water)		0,327 mg/l				
Xylene - mixture of isomeres 1330-20-7	aqua (intermittent releases)		0,327 mg/l				
Xylene - mixture of isomeres 1330-20-7	sewage treatment plant (STP)		6,58 mg/l				
Xylene - mixture of isomeres 1330-20-7	sediment (marine water)				12,46 mg/kg		
Acetone 67-64-1	aqua (intermittent releases)		21 mg/l				
Acetone 67-64-1	sewage treatment plant (STP)		100 mg/l				
Acetone 67-64-1	sediment (freshwater)				30,4 mg/kg		
Acetone 67-64-1	sediment (marine water)				3,04 mg/kg		
Acetone 67-64-1	Soil				29,5 mg/kg		
Acetone 67-64-1	aqua (freshwater)		10,6 mg/l				
Acetone 67-64-1	aqua (marine water)		1,06 mg/l				
Butan-1-ol 71-36-3	aqua (freshwater)		0,082 mg/l				
Butan-1-ol 71-36-3	aqua (marine water)		0,0082 mg/l				
Butan-1-ol 71-36-3	aqua (intermittent releases)		2,25 mg/l				
Butan-1-ol 71-36-3	sewage treatment plant (STP)		2476 mg/l				
Butan-1-ol 71-36-3	sediment (freshwater)				0,178 mg/kg		
Butan-1-ol 71-36-3	sediment (marine water)				0,0178 mg/kg		
Butan-1-ol 71-36-3	Soil				0,015 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	sediment				552 mg/kg		

67-63-0	(freshwater)					
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	
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	sediment (marine water)				5,2 mg/kg	
1-Methoxy-2-propanol 107-98-2	Soil				4,59 mg/kg	
1-Methoxy-2-propanol 107-98-2	sewage treatment plant (STP)		100 mg/l			
2-Methylpropan-1-ol 78-83-1	aqua (freshwater)		0,4 mg/l			
2-Methylpropan-1-ol 78-83-1	aqua (marine water)		0,04 mg/l			
2-Methylpropan-1-ol 78-83-1	aqua (intermittent releases)		11 mg/l			
2-Methylpropan-1-ol 78-83-1	sewage treatment plant (STP)		10 mg/l			
2-Methylpropan-1-ol 78-83-1	sediment (freshwater)				1,52 mg/kg	
2-Methylpropan-1-ol 78-83-1	sediment (marine water)				0,152 mg/kg	
2-Methylpropan-1-ol 78-83-1	Soil				0,0699 mg/kg	

Derived No-Effect Level (DNEL):

Name on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
Dimethyl ether 115-10-6	Workers	inhalation	Long term exposure - systemic effects		1894 mg/m ³	
Dimethyl ether 115-10-6	General population	inhalation	Long term exposure - systemic effects		471 mg/m ³	
Xylene - mixture of isomeres 1330-20-7	Workers	Inhalation	Acute/short term exposure - systemic effects		289 mg/m ³	
Xylene - mixture of isomeres 1330-20-7	Workers	Inhalation	Acute/short term exposure - local effects		289 mg/m ³	
Xylene - mixture of isomeres 1330-20-7	Workers	dermal	Long term exposure - systemic effects		180 mg/kg	
Xylene - mixture of isomeres 1330-20-7	Workers	Inhalation	Long term exposure - systemic effects		77 mg/m ³	
Xylene - mixture of isomeres 1330-20-7	General population	Inhalation	Acute/short term exposure - systemic effects		174 mg/m ³	
Xylene - mixture of isomeres 1330-20-7	General population	Inhalation	Acute/short term exposure - local effects		174 mg/m ³	
Xylene - mixture of isomeres 1330-20-7	General population	dermal	Long term exposure - systemic effects		108 mg/kg	
Xylene - mixture of isomeres 1330-20-7	General population	Inhalation	Long term exposure - systemic effects		14,8 mg/m ³	
Xylene - mixture of isomeres 1330-20-7	Workers	Inhalation	Long term exposure - local effects		77 mg/m ³	
Xylene - mixture of isomeres 1330-20-7	General population	oral	Long term exposure - systemic effects		1,6 mg/kg	
Acetone 67-64-1	Workers	Inhalation	Acute/short term exposure - local effects		2420 mg/m ³	
Acetone 67-64-1	Workers	dermal	Long term exposure - systemic effects		186 mg/kg	
Acetone 67-64-1	Workers	Inhalation	Long term exposure - systemic effects		1210 mg/m ³	
Acetone 67-64-1	General population	dermal	Long term exposure - systemic effects		62 mg/kg	
Acetone 67-64-1	General population	Inhalation	Long term exposure - systemic effects		200 mg/m ³	
Acetone 67-64-1	General population	oral	Long term exposure - systemic effects		62 mg/kg	
Butan-1-ol 71-36-3	Workers	Inhalation	Long term exposure - local effects		310 mg/m ³	
Butan-1-ol 71-36-3	General population	dermal	Long term exposure - systemic effects		3,125 mg/kg	
Butan-1-ol 71-36-3	General population	Inhalation	Long term exposure - systemic effects		55,357 mg/m ³	
Butan-1-ol 71-36-3	General population	inhalation	Long term exposure - local effects		155 mg/m ³	
Butan-1-ol 71-36-3	General population	oral	Long term exposure - systemic effects		1562 mg/kg	
Propan-2-ol 67-63-0	Workers	dermal	Long term exposure -		888 mg/kg	

			systemic effects			
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	
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	
1-Methoxy-2-propanol 107-98-2	Workers	Inhalation	Acute/short term exposure - local effects		553,5 mg/m ³	
1-Methoxy-2-propanol 107-98-2	Workers	dermal	Long term exposure - systemic effects		183 mg/kg	
1-Methoxy-2-propanol 107-98-2	Workers	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		78 mg/kg	
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		33 mg/kg	
1-Methoxy-2-propanol 107-98-2	Workers	inhalation	Acute/short term exposure - systemic effects		553,5 mg/m ³	
2-Methylpropan-1-ol 78-83-1	Workers	Inhalation	Long term exposure - local effects		310 mg/m ³	
2-Methylpropan-1-ol 78-83-1	General population	Inhalation	Long term exposure - local effects		55 mg/m ³	
2-Methylpropan-1-ol 78-83-1	General population	oral	Long term exposure - local effects		25 mg/kg	

Biological Exposure Indices:

Ingredient [Regulated substance]	Parameters	Biological specimen	Sampling time	Conc.	Basis of biol. exposure index	Remark	Additional Information
Xylene 1330-20-7 [XYLENE O-, M-, P-, OR MIXED ISOMERS]	Methylhippuric acids	Creatinine in urine	Sampling time: End of shift.		UKEH40BMG V		

8.2. Exposure controls:

Engineering controls:

In case of aerosol forming ensure sufficient suction and ventilation.

Respiratory protection:

In case of aerosol formation, we recommend wearing of appropriate respiratory protection equipment with ABEK P2 filter (EN 14387).

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):

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:

Goggles which can be tightly sealed.

Protective eye equipment should conform to EN166.

Skin protection:

Wear protective equipment.

Protective clothing that covers arms and legs.

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

Advices to personal protection equipment:

Use only personal protection that's CE-labelled according to Directive 89/686/EEC (Europe) or to Regulation No. 819 of 19 August 1994 (Norway).

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 liquid light brown
Odor	characteristic
Odour threshold	No data available / Not applicable
pH	No data available / Not applicable
Melting point	No data available / Not applicable
Solidification temperature	No data available / Not applicable
Initial boiling point	-24 °C (-11.2 °F)
Flash point	-42 °C (-43.6 °F)
Evaporation rate	No data available / Not applicable
Flammability	No data available / Not applicable
Explosive limits	
lower	1,1 % (V)
upper	20,0 % (V)
Vapour pressure (20 °C (68 °F))	5200 mbar
Relative vapour density:	No data available / Not applicable
Density (20 °C (68 °F))	0,795 g/cm ³
Bulk density	No data available / Not applicable
Solubility	No data available / Not applicable
Solubility (qualitative)	No data available / Not applicable
Partition coefficient: n-octanol/water	No data available / Not applicable
Auto-ignition temperature	No data available / Not applicable
Decomposition temperature	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
Oxidising properties	No data available / Not applicable
Solid content	10,5 %

9.2. Other information

Ignition temperature 235 °C (455 °F)
 max. VOC content: 676 g/l

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

Reacts 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

Heat, flames, sparks and other sources of ignition.
 Temperatures over appr. 50 °C

10.5. Incompatible materials

See section reactivity.

10.6. Hazardous decomposition products

No decomposition if used according to specifications.

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

Persons suffering from allergic reactions to epoxides should avoid contact with the product.

11.1. Information on toxicological effects**Acute oral toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Species	Method
Xylene - mixture of isomeres 1330-20-7	LD50	3.523 mg/kg	rat	EU Method B.1 (Acute Toxicity (Oral))
Acetone 67-64-1	LD50	5.800 mg/kg	rat	not specified
Butan-1-ol 71-36-3	LD50	790 mg/kg	rat	OECD Guideline 401 (Acute Oral Toxicity)
Propan-2-ol 67-63-0	LD50	5.840 mg/kg	rat	OECD Guideline 401 (Acute Oral Toxicity)
1-Methoxy-2-propanol 107-98-2	LD50	3.739 mg/kg	rat	EU Method B.1 (Acute Toxicity (Oral))
CP Bisphenol A Diglycidylether 25036-25-3	LD50	> 2.000 mg/kg	rat	not specified
2-Methylpropan-1-ol 78-83-1	LD50	3.350 mg/kg	rat	OECD Guideline 401 (Acute Oral Toxicity)

Acute dermal toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Species	Method
Xylene - mixture of isomeres 1330-20-7	LD50	1.700 mg/kg	rabbit	not specified
Acetone 67-64-1	LD50	> 15.688 mg/kg	rabbit	Draize Test
Butan-1-ol 71-36-3	LD50	3.430 mg/kg	rabbit	OECD Guideline 402 (Acute Dermal Toxicity)
Propan-2-ol 67-63-0	LD50	12.870 mg/kg	rabbit	OECD Guideline 402 (Acute Dermal Toxicity)
1-Methoxy-2-propanol 107-98-2	LD50	> 2.000 mg/kg	rat	EU Method B.3 (Acute Toxicity (Dermal))
CP Bisphenol A Diglycidylether 25036-25-3	LD50	> 2.000 mg/kg	rabbit	not specified
2-Methylpropan-1-ol 78-83-1	LD50	2.460 mg/kg	rabbit	OECD Guideline 402 (Acute Dermal Toxicity)

Acute inhalative toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Test atmosphere	Exposure time	Species	Method
Dimethyl ether 115-10-6	LC50	164000 ppm		4 h	rat	not specified
Xylene - mixture of isomeres 1330-20-7	LC50	11 mg/l	vapour	4 h	rat	not specified
Acetone 67-64-1	LC50	76 mg/l		4 h	rat	not specified
Butan-1-ol 71-36-3	LC50	> 24 mg/l		4 h	rat	not specified
Propan-2-ol 67-63-0	LC50	72,6 mg/l		4 h	rat	not specified
1-Methoxy-2-propanol 107-98-2	LC50	54,6 mg/l		4 h	rat	not specified
2-Methylpropan-1-ol 78-83-1	LC50	> 6,5 mg/l		4 h	rat	BASF Test

Skin corrosion/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
Xylene - mixture of isomeres 1330-20-7	moderately irritating		rabbit	not specified
Acetone 67-64-1	not irritating		guinea pig	not specified
Butan-1-ol 71-36-3	irritating	2 h	rabbit	not specified
Propan-2-ol 67-63-0	slightly irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
1-Methoxy-2-propanol 107-98-2	not irritating	4 h	rabbit	EU Method B.4 (Acute Toxicity: Dermal Irritation / Corrosion)
2-Methylpropan-1-ol 78-83-1	moderately irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
Xylene - mixture of isomeres 1330-20-7	slightly irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Acetone 67-64-1	irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Butan-1-ol 71-36-3	Category I (irreversible effects on the eye)		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Propan-2-ol 67-63-0	Category II		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
1-Methoxy-2-propanol 107-98-2	not irritating		rabbit	EU Method B.5 (Acute Toxicity: Eye Irritation / Corrosion)
2-Methylpropan-1-ol 78-83-1	highly irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Test type	Species	Method
Xylene - mixture of isomeres 1330-20-7	not sensitising	Mouse local lymphnode assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
Acetone 67-64-1	not sensitising	Guinea pig maximisation test	guinea pig	not specified
Butan-1-ol 71-36-3	not sensitising	Mouse local lymphnode assay (LLNA)	mouse	not specified
Butan-1-ol 71-36-3	not sensitising	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
Propan-2-ol 67-63-0	not sensitising	Buehler test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
1-Methoxy-2-propanol 107-98-2	not sensitising	Guinea pig maximisation test	guinea pig	EU Method B.6 (Skin Sensitisation)

Germ cell mutagenicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Type of study/ Route of administration	Metabolic activation/ Exposure time	Species	Method
Dimethyl ether 115-10-6	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		not specified
Xylene - mixture of isomeres 1330-20-7	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Xylene - mixture of isomeres 1330-20-7	negative	in vitro mammalian chromosome aberration test	with and without		EU Method B.10 (Mutagenicity)
Xylene - mixture of isomeres 1330-20-7	negative	sister chromatid exchange assay in mammalian cells	with and without		EU Method B.19 (Sister Chromatid Exchange Assay In Vitro)
Acetone 67-64-1	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Acetone 67-64-1	negative	in vitro mammalian chromosome aberration test	with and without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Acetone 67-64-1	negative	mammalian cell gene mutation assay	without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Butan-1-ol 71-36-3	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		Ames Test
Butan-1-ol 71-36-3	negative	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	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Propan-2-ol 67-63-0	negative	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
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)
1-Methoxy -2-propanol 107-98-2	negative	in vitro mammalian chromosome aberration test	with and without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
1-Methoxy -2-propanol 107-98-2	negative	mammalian cell gene mutation assay	without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
2-Methylpropan-1-ol 78-83-1	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		not specified
Xylene - mixture of isomeres 1330-20-7	negative	intraperitoneal		rat	OECD Guideline 478 (Genetic Toxicology: Rodent Dominant Lethal Test)
Acetone 67-64-1	negative	oral: drinking water		mouse	not specified
Butan-1-ol 71-36-3	negative	oral: gavage		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
Propan-2-ol 67-63-0	negative	intraperitoneal		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
1-Methoxy -2-propanol 107-98-2	negative	intraperitoneal		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

Carcinogenicity

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Sex	Method
Xylene - mixture of isomeres 1330-20-7	not carcinogenic	oral: gavage	103 w 5 d/w	rat	male/female	EU Method B.32 (Carcinogenicity Test)
Acetone 67-64-1	not carcinogenic	dermal	424 d 3 times per week	mouse	female	not specified
Propan-2-ol 67-63-0		inhalation: vapour	104 w 6 h/d, 5 d/w	rat	male/female	OECD Guideline 451 (Carcinogenicity Studies)
1-Methoxy-2-propanol 107-98-2	not carcinogenic	inhalation: vapour	2 y 6 hr/day, 5 days/wk	rat	male/female	OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

Reproductive toxicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result / Value	Test type	Route of application	Species	Method
Butan-1-ol 71-36-3	NOAEL P 2000 ppm NOAEL F1 2000 ppm	Two generation study	inhalation: vapour	rat	OECD Guideline 416 (Two-Generation Reproduction Toxicity Study)
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)
Propan-2-ol 67-63-0	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)
1-Methoxy-2-propanol 107-98-2	NOAEL P 300 ppm NOAEL F1 1000 ppm NOAEL F2 1000 ppm	Two generation study	inhalation: vapour	rat	OECD Guideline 416 (Two-Generation Reproduction Toxicity Study)

STOT-single exposure:

No data available.

STOT-repeated exposure::

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result / Value	Route of application	Exposure time / Frequency of treatment	Species	Method
Dimethyl ether 115-10-6	NOAEL > 10000 ppm	inhalation	4 week 6 hours/day, 5 days/week	rat	not specified
Xylene - mixture of isomeres 1330-20-7	NOAEL 150 mg/kg	oral: gavage	90 d daily	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Acetone 67-64-1	NOAEL 900 mg/kg	oral: drinking water	13 w daily	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Butan-1-ol 71-36-3	NOAEL 125 mg/kg	oral: gavage	13 w daily	rat	not specified
Propan-2-ol 67-63-0		inhalation: vapour	at least 104 w 6 h/d, 5 d/w	rat	not specified
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)
1-Methoxy-2-propanol 107-98-2	NOAEL 919 mg/kg	oral: gavage	35 d 5 d/w	rat	OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)
2-Methylpropan-1-ol 78-83-1	NOAEL > 16000 ppm	oral: drinking water	3 Monate kontinuierlich	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Aspiration hazard:

No data available.

SECTION 12: Ecological information

General ecological information:

Do not empty into drains, soil or bodies of water.

12.1. Toxicity

Toxicity (Fish):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Dimethyl ether 115-10-6	LC50	> 4.000 mg/l	96 h	Poecilia reticulata	OECD Guideline 203 (Fish, Acute Toxicity Test)
Xylene - mixture of isomeres 1330-20-7	LC50	2,6 mg/l	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Acetone 67-64-1	LC50	8.120 mg/l	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
Butan-1-ol 71-36-3	LC50	1.376 mg/l	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
Propan-2-ol 67-63-0	LC50	> 9.640 - 10.000 mg/l	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
1-Methoxy-2-propanol 107-98-2	LC50	20.800 mg/l	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
CP Bisphenol A Diglycidylether 25036-25-3	LC50	3,1 mg/l	96 h	Pimephales promelas	not specified
2-Methylpropan-1-ol 78-83-1	LC50	1.430 mg/l	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)

Toxicity (Daphnia):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Dimethyl ether 115-10-6	EC50	> 4.000 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Xylene - mixture of isomeres 1330-20-7	EC50	3,1 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Acetone 67-64-1	EC50	8.800 mg/l	48 h	Daphnia pulex	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Butan-1-ol 71-36-3	EC50	1.328 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
1-Methoxy-2-propanol 107-98-2	EC50	23.300 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
CP Bisphenol A Diglycidylether 25036-25-3	EC50	1,8 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
2-Methylpropan-1-ol 78-83-1	EC50	1.030 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Chronic toxicity to aquatic invertebrates

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Acetone 67-64-1	NOEC	2.212 mg/l	28 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)
Butan-1-ol 71-36-3	NOEC	4,1 mg/l	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)
Propan-2-ol 67-63-0	NOEC	30 mg/l	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)
2-Methylpropan-1-ol 78-83-1	NOEC	4 mg/l	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)

Toxicity (Algae):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Dimethyl ether 115-10-6	EC50	> 1.000 mg/l	72 h	not specified	OECD Guideline 201 (Alga, Growth Inhibition Test)
Xylene - mixture of isomeres 1330-20-7	ErC50	4,36 mg/l	73 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Xylene - mixture of isomeres 1330-20-7	EC10	1,9 mg/l	73 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Acetone 67-64-1	NOEC	530 mg/l	8 d	Microcystis aeruginosa	DIN 38412-09
Butan-1-ol 71-36-3	EC50	225 mg/l	96 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Butan-1-ol 71-36-3	NOEC	129 mg/l	96 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Propan-2-ol 67-63-0	EC50	> 1.000 mg/l	96 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Propan-2-ol 67-63-0	NOEC	1.000 mg/l	96 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
1-Methoxy-2-propanol 107-98-2	EC50	> 1.000 mg/l	7 d	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
CP Bisphenol A Diglycidylether 25036-25-3	ErC50	11 mg/l	72 h	Scenedesmus capricornutum	not specified
2-Methylpropan-1-ol 78-83-1	EC50	> 350 mg/l			OECD Guideline 201 (Alga, Growth Inhibition Test)
2-Methylpropan-1-ol 78-83-1	EC0	350 mg/l			OECD Guideline 201 (Alga, Growth Inhibition Test)

Toxicity to microorganisms

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Dimethyl ether 115-10-6	EC10	> 1.600 mg/l	30 min	Pseudomonas putida	DIN 38412, part 27 (Bacterial oxygen consumption test)
Xylene - mixture of isomeres 1330-20-7	EC50	> 1 - 10 mg/l			not specified
Acetone 67-64-1	EC10	1.000 mg/l	30 min	Pseudomonas putida	DIN 38412, part 27 (Bacterial oxygen consumption test)
Butan-1-ol 71-36-3	EC10	2.476 mg/l	17 h	Pseudomonas putida	DIN 38412, part 8 (Pseudomonas Zellvermehrungshemm-Test)
Propan-2-ol 67-63-0	EC50	> 1.000 mg/l	3 h	activated sludge	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
1-Methoxy-2-propanol 107-98-2	EC0	> 1.000 mg/l	30 min		OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
CP Bisphenol A Diglycidylether 25036-25-3	EC50	> 100 mg/l			OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)

12.2. Persistence and degradability

Hazardous substances CAS-No.	Result	Test type	Degradability	Exposure time	Method
Dimethyl ether 115-10-6	not readily biodegradable.	aerobic	5 %	28 d	EU Method C.4-A (Determination of the "Ready" Biodegradability Dissolved Organic Carbon (DOC) Die-Away Test)
Xylene - mixture of isomeres 1330-20-7	readily biodegradable	aerobic	90 %	28 day	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
Acetone 67-64-1	readily biodegradable	aerobic	81 - 92 %	30 d	EU Method C.4-E (Determination of the "Ready" Biodegradability Closed Bottle Test)
Butan-1-ol 71-36-3	readily biodegradable	aerobic	70 - 81 %	30 d	EU Method C.4-E (Determination of the "Ready" Biodegradability Closed Bottle Test)
Propan-2-ol 67-63-0	readily biodegradable	aerobic	70 - 84 %	30 d	EU Method C.4-E (Determination of the "Ready" Biodegradability Closed Bottle Test)
1-Methoxy-2-propanol 107-98-2	readily biodegradable	aerobic	90 %	29 d	OECD Guideline 301 E (Ready biodegradability: Modified OECD Screening Test)
CP Bisphenol A Diglycidylether 25036-25-3	not readily biodegradable.	not specified	12 %	28 day	not specified
2-Methylpropan-1-ol 78-83-1	readily biodegradable	aerobic	> 90 %	5 d	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
2-Methylpropan-1-ol 78-83-1		aerobic	> 90 %	5 d	OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test)

12.3. Bioaccumulative potential

Hazardous substances CAS-No.	Bioconcentration factor (BCF)	Exposure time	Temperature	Species	Method
Xylene - mixture of isomeres 1330-20-7	25,9	56 day		Oncorhynchus mykiss	not specified

12.4. Mobility in soil

Hazardous substances CAS-No.	LogPow	Temperature	Method
Dimethyl ether 115-10-6	0,07	25 °C	QSAR (Quantitative Structure Activity Relationship)
Xylene - mixture of isomeres 1330-20-7	3,16	20 °C	
Acetone 67-64-1	-0,24		OECD Guideline 107 (Partition Coefficient (n-octanol/ water), Shake Flask Method)
Butan-1-ol 71-36-3	1	25 °C	OECD Guideline 117 (Partition Coefficient (n-octanol/ water), HPLC Method)
Propan-2-ol 67-63-0	0,05		OECD Guideline 107 (Partition Coefficient (n-octanol/ water), Shake Flask Method)
1-Methoxy-2-propanol 107-98-2	-0,49		not specified
CP Bisphenol A Diglycidylether 25036-25-3	3 - 5		not specified
2-Methylpropan-1-ol 78-83-1	0,79	25 °C	OECD Guideline 107 (Partition Coefficient (n-octanol/ water), Shake Flask Method)

12.5. Results of PBT and vPvB assessment

Hazardous substances CAS-No.	PBT/ vPvB
Dimethyl ether 115-10-6	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Xylene - mixture of isomeres 1330-20-7	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Acetone 67-64-1	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Butan-1-ol 71-36-3	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.
1-Methoxy-2-propanol 107-98-2	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
2-Methylpropan-1-ol 78-83-1	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:

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.
080409

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	not applicable
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	85 %
(VOCV 814.018 VOC regulation CH)	
VOC content	85 %
(2010/75/EU)	

VOC Paints and Varnishes (EU):

Regulatory Basis:	Directive 2004/42/EC
Product (sub)category:	A(g) Primer
Phase I (from 1.1.2007):	850,00 g/l
max. VOC content:	676 g/l

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.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.

Further information:

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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.

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