

Printing date 06.02.2025 Version: 21 (replaces version 20) Revision: 06.02.2025

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

· 1.1 Product identifier

· Trade name: 2 V 16 VERHARDER

· Article number: 2V16-1 · UFI: G75C-61MJ-K00H-HT0T

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

· Sector of Use

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU19 Building and construction work

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

· Product category PC9a Coatings and paints, thinners, paint removers

Process category

PROC7 Industrial spraying

PROC10 Roller application or brushing

PROC19 Manual activities involving hand contact PROC13 Treatment of articles by dipping and pouring

· Application of the substance / the mixture solvent based, two component epoxy coating hardener

· 1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier:

Zandleven Coatings B.V.

Snekertrekweg 57-59, 8912 AA Leeuwarden, Netherlands

Tel: +31 58 2129545 Fax: +31 58 2155996

E-mail: info@zandleven.com Internet: www.zandleven.com

· Further information obtainable from: R&D department: sds@zandleven.com

· 1.4 Emergency telephone number:

Nationaal Vergiftigingen Informatie

+31 (0)88 755 8000

ORFILA (INRS): + 33 (0)1 45 42 59 59 Centres Antipoison et de Toxicovigilance

ANGERS: 02 41 48 21 21 BORDEAUX: 05 56 96 40 80 LILLE: 0800 59 59 59 LYON: 04 72 11 69 11 MARSEILLE: 04 91 75 25 25 NANCY: 03 83 22 50 50 PARIS: 01 40 05 48 48

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+31 (0)58 2677590 (during office hours)

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 3 H226 Flammable liquid and vapour. Skin Irrit. 2 H315 Causes skin irritation.

Eye Dam. 1 H318 Causes serious eye damage. STOT SE 3 H335 May cause respiratory irritation.

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Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

- · 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

· Hazard pictograms







GHS07



GHS02

GHS05

· Signal word Danger

· Hazard-determining components of labelling:

butan-1-ol

xylene

· Hazard statements

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 F IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

Immediately call a POISON CENTER/doctor. P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

Dispose of contents/container in accordance with local/regional/national/international P501

regulations.

· Additional information:

EUH208 Contains Amines, polyethylenepoly-, triethylenetetramine fraction. May produce an allergic reaction.

- · 2.3 Other hazards
- · Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- · 3.2 Mixtures
- · Description: Mixture of substances listed below with nonhazardous additions.
- Dangerous components:

Percentages of the components are expressed as a percentage by weight

CAS: 1330-20-7 EINECS: 215-535-7 Index number: 601-022-00-9 Reg.nr.: 01-2119488216-32	xylene Flam. Liq. 3, H226; SASp. Tox. 1, H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	10-25%
CAS: 71-36-3	butan-1-ol ∳ Flam. Liq. 3, H226; ∳ Eye Dam. 1, H318; ∳ Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336	2.5-25%

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_	AS: 445498-00-0	formaldehyde, polymer with N,N-dimethyl-1,3-propanediamine and	2.5-10%	
EC	C number: 610-196-5	phenol		
		Aquatic Acute 1, H400; Aquatic Chronic 1, H410;		
1	AS: 100-41-4	ethylbenzene	2.5-10%	
	NECS: 202-849-4	🔖 Flam. Liq. 2, H225; 🗞 STOT RE 2, H373; Asp. Tox. 1, H304;		
	dex number: 601-023-00-4	Acute Tox. 4, H332; Aquatic Chronic 3, H412		
	eg.nr.: 01-2119489370-35			
1	AS: 90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	2.5-10%	
	NECS: 202-013-9	① Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319		
1	dex number: 603-069-00-0 eg.nr.: 01-2119560597-27			
	0		2 10/	
_	AS: 90640-67-8	Amines, polyethylenepoly-, triethylenetetramine fraction	0-<1%	
	NECS: 292-588-2	Skin Corr. 1B, H314; Acute Tox. 4, H302; Acute Tox. 4, H312;		
		Škin Sens. 1, H317; Aquatic Chronic 3, H412		
· Ad	 Additional information: For the wording of the listed hazard phrases refer to section 16. 			

SECTION 4: First aid measures

- · 4.1 Description of first aid measures
- · General information: Immediately remove any clothing soiled by the product.
- After inhalation: In case of unconsciousness place patient stably in side position for transportation.
- · After skin contact: Immediately rinse with water.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing: If symptoms persist consult doctor.
- · 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

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

No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- Suitable extinguishing agents:

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- · Protective equipment: No special measures required.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

· 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

 $^{\cdot}$ 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralising agent.

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

· 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

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SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles:

Store material in original, well-closed packages in a cool, well-ventilated area according to local regulations.

- Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: Keep container tightly sealed.
- · Recommended storage temperature: 5 30 °C
- · 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

1330-20-7	' xvlene	
IOELV Short-term value: 442 mg/m³, 100 ppm Long-term value: 221 mg/m³, 50 ppm Skin		
100-41-4	ethylbenzene	
Lo	nort-term value: 884 mg/m³, 200 ppm ong-term value: 442 mg/m³, 100 ppm kin	
DNEL (De	erived No Effect Level) for workers:	
1330-20-7	xylene	
Dermal	Long-term - systemic effects, worker	212 mg/kg bw/day (worker)
Inhalative	Acute - systemic effects, worker	442 mg/m³ (worker)
	Acute - local effects, worker	442 mg/m³ (worker)
	Long-term - systemic effects, worker	221 mg/m³ (worker)
	Long-term - local effects, worker	221 mg/m³ (worker)
71-36-3 b	utan-1-ol	
Inhalative	Long-term - local effects, worker	310 mg/m³ (worker)
100-41-4	ethylbenzene	
Dermal	Long-term - systemic effects, worker	180 mg/kg bw/day (worker)
Inhalative	Acute - local effects, worker	293 mg/m³ (worker)
	Long-term - systemic effects, worker	77 mg/m³ (worker)
90-72-2 2	,4,6-tris(dimethylaminomethyl)phen	ol
Dermal	Acute - systemic effects, worker	0.6 mg/kg bw/day (worker)
	Long-term - systemic effects, worker	1
Inhalative	Acute - systemic effects, worker	2.1 mg/m³ (worker)
	Long-term - systemic effects, worker	1
90640-67	-8 Amines, polyethylenepoly-, triethy	ylenetetramine fraction
Inhalative	Long-term - systemic effects, worker	0.54 mg/m³ (worker)

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DNEL (De	rived No Effect Level) for the general p	polulation:
1330-20-7		
Oral		pulation 12.5 mg/kg bw/day (general population)
Dermal	Long-term - systemic effects, general po	pulation 125 mg/kg bw/day (general population)
Inhalative	Acute - systemic effects, general popula	tion 260 mg/m³ (general population)
	Acute - local effects, general population	260 mg/m³ (general population)
	Long-term - systemic effects, general po	pulation 65.3 mg/m³ (general population)
	Long-term - local effects, general popula	tion 65.3 mg/m³ (general population)
71-36-3 bu		
Oral		pulation 3.125 mg/kg bw/day (general population)
	Long-term - local effects, general popula	tion 55 mg/m³ (general population)
	ethylbenzene	
Oral		pulation 1.6 mg/kg bw/day (general population)
Inhalative	Long-term - systemic effects, general po	pulation 15 mg/m³ (general population)
90-72-2 2,	4,6-tris(dimethylaminomethyl)phenol	
Oral		pulation 0.075 mg/kg bw/day (general population)
Dermal	Acute - systemic effects, general polulat	ion 0.075 mg/kg bw/day (general population)
	Long-term - systemic effects, general po	pulation 0.075 mg/kg bw/day (general population)
Inhalative	Acute - systemic effects, general popula	tion 0.13 mg/m³ (general population)
	Long-term - systemic effects, general po	pulation 0.13 mg/m³ (general population)
90640-67-	8 Amines, polyethylenepoly-, triethyler	netetramine fraction
Oral	Long-term - systemic effects, general po	pulation 0.14 mg/kg bw/day (general population)
Inhalative	Long-term - systemic effects, general po	pulation 0.096 mg/m³ (general population)
PNEC (Pre	edicted No Effect Concentration) value	s:
1330-20-7		
	mpartment - freshwater	0.327 mg/L (freshwater)
-	mpartment - marine water	0.327 mg/L (marine water)
-	mpartment - water, intermittent releases	
-	mpartment - sediment in freshwater	12.46 mg/kg sed dw (sediment fresh water)
-	mpartment - sediment in marine water	12.46 mg/kg sed dw (sediment marine water)
-	compartment - soil	2.31 mg/kg dw (soil)
	eatment plant	6.58 mg/L (sewage treatment plant)
71-36-3 bu	· · · · · · · · · · · · · · · · · · ·	oloo iiig, z (oonago ii ouumoni piani)
	mpartment - freshwater	0.082 mg/L (not specified)
•	mpartment - marine water	0.0082 mg/L (not specified)
	•	2.25 mg/L (not specified)
-	mpartment - sediment in freshwater	0.178 mg/kg sed dw (not specified)
-	mpartment - sediment in marine water	0.0178 mg/kg sed dw (not specified)
	compartment - soil	0.015 mg/kg dw (not specified)
	eatment plant	2,476 mg/L (not specified)
~	ethylbenzene	2,710 mg/L (not specifica)
	mpartment - freshwater	0.1 mg/L (not specified)
-	mpartment - meshwater mpartment - marine water	0.01 mg/L (not specified)
-		0.1 mg/L (not specified)
		- ' ' '
-	mpartment - sediment in freshwater	13.7 mg/kg sed dw (not specified)
-	mpartment - sediment in marine water	1.37 mg/kg sed dw (not specified)
	compartment - soil	2.68 mg/kg dw (not specified)
_	eatment plant	9.6 mg/L (not specified)
Urai secor	ndary poisoning	0.02 mg/kg food (not specified)





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90-72-2 2,4,6-tris(dimethylaminomethyl)phenol					
Aquatic compartment - freshwater	0.046 mg/L (freshwater)				
Aquatic compartment - marine water	0.005 mg/L (marine water)				
Aquatic compartment - water, intermittent releases	0.46 mg/L (intermittent release water)				
Aquatic compartment - sediment in freshwater	0.262 mg/kg sed dw (sediment fresh water)				
Aquatic compartment - sediment in marine water	0.025 mg/kg sed dw (sediment marine water)				
Terrestrial compartment - soil	0.025 mg/kg dw (soil)				
Sewage treatment plant	0.2 mg/L (sewage treatment plant)				
90640-67-8 Amines, polyethylenepoly-, triethyler	90640-67-8 Amines, polyethylenepoly-, triethylenetetramine fraction				
Aquatic compartment - freshwater	0.027 mg/L				
Aquatic compartment - marine water	0.003 mg/L				
Aquatic compartment - sediment in freshwater	8.572 mg/kg sed dw				
Aquatic compartment - sediment in marine water	0.857 mg/kg sed dw				
Terrestrial compartment - soil	1.25 mg/kg dw (soil)				
Sewage treatment plant	0.13 mg/L (sewage treatment plant)				

Additional information: The lists valid during the making were used as basis.

· 8.2 Exposure controls

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne

contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

- Appropriate engineering controls No further data; see section 7.
- Individual protection measures, such as personal protective equipment
- General protective and hygienic measures:

Provide readily accessible eye wash stations and safety showers.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

· Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If

workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed

respirator complying with an approved standard if a risk assessment indicates this is necessary.

For organic vapors and solvents type of filter A1 or A2, for dust type of filter P (according to EN 140)

Hand protection



Protective gloves

Chemical resistant gloves (EN 374)

Check protective gloves prior to each use for their proper condition.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Fluorocarbon rubber (Viton)

Nitrile rubber, NBR

· Penetration time of glove material

KCL Vitoject 890

breakthrough time > 480 min.

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thickness: 0,7 mm

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at limited contact KCL Camatril 730

breakthrough time 30 min.

thickness: 0,4 mm

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- · Not suitable are gloves made of the following materials: All other materials
- · Eye/face protection



Tightly sealed goggles

Safety glasses according to EN 166 or equivalent

Body protection:

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved before the product is used by a specialist.

If there is a risk of ignition by static electricity, anti-static protective clothing should be worn. For the best protection against static discharge, clothing should consist of anti-static overalls, boots and gloves. For further information on materials and design requirements and test methods consult the European standard EN 1149.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

· General Information

· Physical state

· Colour:

· Odour:

· Odour threshold:

· Melting point/freezing point:

· Boiling point or initial boiling point and boiling

range

· Flammability

Lower and upper explosion limit

· Lower:

· Upper:

· Flash point:

Auto-ignition temperature: Decomposition temperature:

· pH

· Viscosity:

· Kinematic viscosity

Dynamic at 20 °C:

Solubility

· water:

· Partition coefficient n-octanol/water (log value)

· Vapour pressure at 20 °C:

· Density and/or relative density

Density at 20 °C:

· Relative density · Vapour density

Liquid

According to product specification

Characteristic Not determined.

Undetermined.

116-118 °C (71-36-3 butan-1-ol)

Flammable.

1.1 Vol % (1330-20-7 xylene) 9.4 Vol % (71-36-3 butan-1-ol)

33 °C

340 °C (71-36-3 butan-1-ol)

Not determined. Not determined

at 40 °C: > 20,5 mm²/s

2,000 mPas

Not miscible or difficult to mix.

Not determined.

10 hPa (71-36-3 butan-1-ol)

0.95 g/cm³ Not determined. Not determined.

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9.2 Other information

· Appearance:

· Form: Fluid

Important information on protection of health and environment, and on safety.

Ignition temperature: Product is not selfigniting.

• Explosive properties: Product is not explosive. However, formation of

explosive air/vapour mixtures are possible.

· Change in condition

• Evaporation rate Not determined.

· Information with regard to physical hazard classes

Explosives Void
Flammable gases Void
Aerosols Void
Oxidising gases Void
Gases under pressure Void

· Flammable liquids Flammable liquid and vapour.

Flammable solids
 Self-reactive substances and mixtures
 Pyrophoric liquids
 Pyrophoric solids
 Self-heating substances and mixtures
 Substances and mixtures, which emit flammable

substances and mixtures, which emit flammable gases in contact with water Void
Oxidising liquids Void
Oxidising solids Void
Organic peroxides Void
Corrosive to metals Void
Desensitised explosives Void

SECTION 10: Stability and reactivity

- · 10.1 Reactivity No further relevant information available.
- · 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- · 10.4 Conditions to avoid No further relevant information available.
- · 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- · 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- · Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:		
1330-20-7	xylene	
Oral	LD50	3,523 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)
71-36-3 bi	utan-1-ol	
Oral	LD50	790 mg/kg (rat)
Dermal	LD50	3,400 mg/kg (rabbit)
Inhalative	LC50/4 h	8,000 mg/l (rat)
100-41-4	thylbenze	ene
Oral	LD50	3,500 mg/kg (rat)
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Dermal	LD50	17,800 mg/kg (rabbit)
90-72-2 2,	4,6-tris(di	methylaminomethyl)phenol
Oral	LD50	2,169 mg/kg (rat)
90640-67-	8 Amines	polyethylenepoly-, triethylenetetramine fraction
Oral	LD50	1,716 mg/kg (rat)
Dermal	LD50	1,465 mg/kg (rabbit)

- · Primary irritant effect:
- Skin corrosion/irritation Causes skin irritation.
- · Serious eye damage/irritation Causes serious eye damage.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.
- · Reproductive toxicity Based on available data, the classification criteria are not met.
- · STOT-single exposure May cause respiratory irritation.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- · Aspiration hazard Based on available data, the classification criteria are not met.
- · 11.2 Information on other hazards
- Endocrine disrupting properties

 None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:					
1330-20-7 xy	1330-20-7 xylene				
EC50/72 h 2	2.2 mg/l (algae)				
EC50/48 h >	•3.4 mg/l (Ceriodaphnia dubia)				
LC50/96 h 2	2.6 mg/l (Oncorhynchus mykiss)				
LC50/24 h 1	mg/l (Daphnia magna)				
71-36-3 buta	ın-1-ol				
EC50/48 h 1	,328 mg/l (Daphnia magna)				
LC50/96 h 1	,376 mg/l (pimephales promelas)				
100-41-4 eth	ylbenzene				
EC50/72 h 3	3.6-4.2 mg/l (algae)				
EC50/24 h 2	2.2 mg/l (Daphnia magna)				
LC50/96 h 4	I.2 mg/l (Oncorhynchus mykiss)				
90-72-2 2,4,6	6-tris(dimethylaminomethyl)phenol				
EC50/96 h 7	'18 mg/l (Palaemonetes vulgaris (grass shrimp))				
EC50/72 h 8	34 mg/l (algae)				
LC50/96 h 1	75 mg/l (Cyprinus carpio)				
LC50/24 h 2	249 mg/l (Cyprinus carpio)				
	222 mg/l (Oncorhynchus mykiss)				

- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.
- 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

- 12.7 Other adverse effects
- · Remark: Toxic for fish

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· General notes:



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Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

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· Additional ecological information:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system. Must not reach sewage water or drainage ditch undiluted or unneutralised.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

	1 0 0 1		
· European waste catalogue			
08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS		
08 01 00	wastes from MFSU and removal of paint and varnish		
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances		
HP3	Flammable		
HP4	Irritant - skin irritation and eye damage		
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity		
HP6	Acute Toxicity		
HP14	Ecotoxic		

- · Uncleaned packaging:
- · Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

Transport in accordance with ADR/RID, IMDG and ICAO/IATA.

- · 14.1 UN number or ID number
- · ADR/RID/ADN, IMDG, IATA UN1263
- · 14.2 UN proper shipping name
- ADR/RID/ADN 1263 PAINT, ENVIRONMENTALLY HAZARDOUS ·IMDG PAINT, MARINE POLLUTANT
- **PAINT**
- ·IATA
- · 14.3 Transport hazard class(es)
- · ADR/RID/ADN, IMDG



- · Class 3 Flammable liquids.
- · Label
- IATA



· Class 3 Flammable liquids.

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Label	3
14.4 Packing group ADR/RID/ADN, IMDG, IATA	III
14.5 Environmental hazards: Marine pollutant: Special marking (ADR/RID/ADN):	Yes Symbol (fish and tree) Symbol (fish and tree)
14.6 Special precautions for user Hazard identification number (Kemler code): EMS Number: Stowage Category	Warning: Flammable liquids. 30 F-E, <u>S-E</u> A
14.7 Maritime transport in bulk according to IM instruments	Not applicable.
Transport/Additional information:	
ADR/RID/ADN Limited quantities (LQ) Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
Transport category Tunnel restriction code	3 D/E
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
UN "Model Regulation":	UN 1263 PAINT, 3, III, ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · Seveso category

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

- · Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
- · Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- · REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment Annex II

None of the ingredients is listed.

- · REGULATION (EU) 2019/1148
- Annex I RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors

108-88-3 toluene

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Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

108-88-3 toluene

3

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Classification according to Regulation (EC) No 1272/2008

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Contact: J. Diikstra

· Date of previous version: 20.04.2023 · Version number of previous version: 20

· Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) ICAO: International Civil Aviation Organisation

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH) LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2 Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1B: Skin corrosion/irritation - Category 1B

Skin Irrit. 2: Skin corrosion/irritation - Category 2

Eye Dam. 1: Serious eye damage/eye irritation - Category 1 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation - Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard - Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard — Category 1 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard — Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3

- ECHA European Chemical Agency http://echa.europa.eu/information-on-chemicals
- SDS of raw materials supplied by producer/supplier.
- * Data compared to the previous version altered.