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SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1 Product identifier Trade name: 2 V 6 VERHARDER · Article number: 2V6 · UFI: J5MT-H0U7-7003-FQN8 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 polyurethane 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 STRASBOURG: 03 88 37 37 37 TOULOUSE: 05 61 77 74 47 Giftnotruf der Charité, Berlin: 030/19240 Giftinformationszentrum-Nord der Länder Bremen, Hamburg, Niedersachsen und Schleswig-Holstein (GIZ-Nord) :0551/19 240 Informationszentrale gegen Vergiftungen Zentrum für Kinderheilkunde Universitätsklinikum Bonn: 0228/19240 Giftnotruf Erfurt Gemeinsames Giftinformationszentrum der Länder Mecklenburg-Vorpommern, Sachsen, Sachsen-Anhalt und Thüringen: 0361/730 730 Informations- und Beratungszentrum für Vergiftungsfälle Klinik für Kinder- und Jugendmedizin Universitätsklinikum des Saarlandes: 06841/19240 Giftinformationszentrum der Länder Rheinland-Pfalz und Hessen - Klinische Toxikologie - Universitätsmedizin der Johannes Gutenberg-Universität Mainz: 06131/19240 Vergiftungs-Informations-Zentrale Zentrum für Kinder- und Jugendmedizin Universitätsklinikum: 0761/19240 Giftnotruf München Toxikologische Abteilung der II. Med. Klinik und Poliklinik: 089/19240 Supplier +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.

Acute Tox. 4 H332 Harmful if inhaled.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

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- EU

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

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Skin Sens. 1 H31	I7 May cause an allergic skin reaction.
STOT SE 3 H33	35 May cause respiratory irritation.
2.2 Label elemen	its
	ling to Regulation (EC) No 1272/2008
	issified and labelled according to the CLP regulation.
Hazard pictogram	ns
\wedge	
JAL T	
<u><u><u>v</u></u></u>	
\sim \sim	
GHS02 GHS0	17
Signal word War	ning
Hazard-determin	ing components of labelling:
Aliphatic polyisoc	
xylene	,
ethylbenzene	
hexamethylene-di	i-isocvanate
Hazard statemen	
H226 Flammable	liquid and vapour.
H332 Harmful if ir	
H315 Causes skir	n irritation.
H319 Causes seri	ious eye irritation.
H317 May cause	an allergic skin reaction.
H335 May cause	respiratory irritation.
Precautionary st	atements
P303+P361+P353	3 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water
	[or shower].
P305+P351+P338	8 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if
	present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P362+P364	Take off contaminated clothing and wash it before reuse.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international
	regulations.
Additional inform	
EUH204 Contains	s isocyanates. May produce an allergic reaction.
	st 2023 adequate training is required before industrial or professional use.
2.3 Other hazard	
	ind vPvB assessment
PBT: Not applicat	
vPvB: Not applica	able.
SECTION 3: C	Composition/information on ingredients
	.
3.2 Mixtures	

 \cdot **Description:** Mixture of substances listed below with nonhazardous additions.

· Dangerous components:

Percentages of the components are expressed as a percentage by weight

o 1		
CAS: 28182-81-2	Aliphatic polyisocyante	50-75%
NLP: 500-060-2 Reg.nr.: 01-2119488934-20	• Acute Tox. 4, H332; Skin Sens. 1, H317; STOT SE 3, H335,	
Reg.III 01-2113+0030+-20		
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		td. of page 2)
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7 Reg.nr.: 01-2119475791-29	2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226; STOT SE 3, H336	10-25%
CAS: 1330-20-7 EINECS: 215-535-7 Index number: 601-022-00-9 Reg.nr.: 01-2119488216-32	xylene Flam. Liq. 3, H226; Asp. Tox. 1, H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	2.5-10%
CAS: 100-41-4 EINECS: 202-849-4 Index number: 601-023-00-4 Reg.nr.: 01-2119489370-35	ethylbenzene Flam. Liq. 2, H225; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H332; Aquatic Chronic 3, H412	1-2.5%
CAS: 822-06-0 EINECS: 212-485-8 Index number: 615-011-00-1 Reg.nr.: 01-2119457571-37	hexamethylene-di-isocyanate Acute Tox. 1, H330; Resp. Sens. 1, H334; Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335, EUH204 Specific concentration limits: Resp. Sens. 1; H334: C ≥ 0.5 % Skin Sens. 1; H317: C ≥ 0.5 %	<1%

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· General information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation:

Supply fresh air and to be sure call for a doctor.

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. If symptoms persist, 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: Mouth respiratory protective device.

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 to enter sewers/ surface or ground water.
- · 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

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· 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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

108-65-6	2-methoxy-1-methylethyl acetate		
IOELV SI	hort-term value: 550 mg/m³, 100 ppm ong-term value: 275 mg/m³, 50 ppm kin		
1330-20-7	/ xylene		
Lo	hort-term value: 442 mg/m³, 100 ppm ong-term value: 221 mg/m³, 50 ppm kin		
100-41-4	ethylbenzene		
Lo	hort-term value: 884 mg/m³, 200 ppm ong-term value: 442 mg/m³, 100 ppm kin		
DNEL (De	erived No Effect Level) for workers:		
28182-81	-2 Aliphatic polyisocyante		
Inhalative	Acute - local effects, worker	1 mg/m³ (worker)	
	Long-term - local effects, worker	0.5 mg/m³ (worker)	
108-65-6	2-methoxy-1-methylethyl acetate		
Dermal	Long-term - systemic effects, worker	153.5 mg/kg bw/day (worker)	
Inhalative Long-term - systemic effects, worker 275 mg/m³ (worker)			
1330-20-7	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)	
100-41-4	ethylbenzene		
100 41 4			
Dermal	Long-term - systemic effects, worker	180 mg/kg bw/day (worker)	

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	Long-term - systemic effects, worker 77	′ mg/m³ (Contd. of pag
	nexamethylene-di-isocyanate	- (
Inhalative	Acute - local effects, worker 0.	07 mg/m ³	³ (worker)	
	Long-term - local effects, worker 0.	035 mg/n	n³ (worker)	
DNEL (De	rived No Effect Level) for the general	polulatio	n:	
=	2-methoxy-1-methylethyl acetate			
Oral	Long-term - systemic effects, general po	pulation	1.67 mg/kg bw/day (general populati	on)
Dermal	Long-term - systemic effects, general po	pulation	54.8 mg/kg bw/day (general populati	on)
Inhalative	Long-term - systemic effects, general po	pulation	33 mg/m³ (general population)	
1330-20-7	xylene			
Oral	Long-term - systemic effects, general po	pulation	12.5 mg/kg bw/day (general populati	on)
Dermal	Long-term - systemic effects, general po	opulation	125 mg/kg bw/day (general population	on)
Inhalative	Acute - systemic effects, general popula	ation	260 mg/m³ (general population)	
	Acute - local effects, general population		260 mg/m³ (general population)	
	Long-term - systemic effects, general po	opulation	65.3 mg/m³ (general population)	
	Long-term - local effects, general popula	ation	65.3 mg/m³ (general population)	
	ethylbenzene		•	
	Long-term - systemic effects, general po			n)
Inhalative	Long-term - systemic effects, general po	opulation	15 mg/m ³ (general population)	
PNEC (Pre	edicted No Effect Concentration) value	es:		
28182-81-	2 Aliphatic polyisocyante			
	mpartment - freshwater	0.127 m	g/L (freshwater)	
Aquatic co	mpartment - marine water	0.013 m	g/L (marine water)	
Aquatic co	mpartment - water, intermittent releases	1.27 mg	/L (intermittent release water)	
Aquatic co	mpartment - sediment in freshwater	266,701	mg/kg sed dw (sediment fresh water)
Aquatic co	mpartment - sediment in marine water	26,670	mg/kg sed dw (sediment marine water	r)
Terrestrial	compartment - soil	53,183	mg/kg dw (soil)	
Sewage tre	eatment plant	88 mg/L	. (sewage treatment plant)	
	2-methoxy-1-methylethyl acetate			
	mpartment - freshwater		g/L (not specified)	
-	mpartment - marine water		mg/L (not specified)	
-	mpartment - water, intermittent releases	-	, , ,	
-	mpartment - sediment in freshwater		/kg sed dw (not specified)	
-	mpartment - sediment in marine water		g/kg sed dw (not specified)	
	compartment - soil	-	/kg dw (not specified)	
-	eatment plant	100 mg/	′L (not specified)	
1330-20-7	-			
-	mpartment - freshwater		g/L (freshwater)	
	mpartment - marine water		g/L (marine water)	
-	mpartment - water, intermittent releases		g/L (intermittent release water)	
-	mpartment - sediment in freshwater		g/kg sed dw (sediment fresh water)	
	mpartment - sediment in marine water		g/kg sed dw (sediment marine water)	
	compartment - soil	-	/kg dw (soil)	
•	eatment plant	၂၀.၁୪ mg	/L (sewage treatment plant)	
	ethylbenzene	0.1 mc/	(not appointed)	
-	mpartment - freshwater	-	(not specified)	
-	mpartment - marine water	-	/L (not specified)	
-	mpartment - water, intermittent releases	-	,	
-	mpartment - sediment in freshwater	-	/kg sed dw (not specified)	
AUUALIC CO	mpartment - sediment in marine water	1.37 mg	/kg sed dw (not specified)	Contd. on pag

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	(Contd. of page §
Terrestrial compartment - soil	2.68 mg/kg dw (not specified)
Sewage treatment plant	9.6 mg/L (not specified)
Oral secondary poisoning	0.02 mg/kg food (not specified)
822-06-0 hexamethylene-di-isocyanate	
Aquatic compartment - freshwater	0.049 mg/L (freshwater)
Aquatic compartment - marine water	0.005 mg/L (marine water)
Aquatic compartment - sediment in freshwater	0.674 mg/kg sed dw (sediment fresh water)
Aquatic compartment - sediment in marine water	0.067 mg/kg sed dw (sediment marine water)
Terrestrial compartment - soil	0.523 mg/kg dw (soil)
Sewage treatment plant	8.42 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 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 Camatril 730

breakthrough time > 480 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:

Neoprene gloves

Disposables

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Tightly sealed goggles

Safety glasses according to EN 166 or equivalent

Body protection:

· Eye/face 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

$^{\cdot}$ 9.1 Information on basic physical and chemical pre-	operties
· General Information	
· Physical state	Liquid
· Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.
· Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling	
range	137-143 °C (1330-20-7 xylene)
· Flammability	Flammable.
· Lower and upper explosion limit	
· Lower:	1.1 Vol % (1330-20-7 xylene)
Upper:	10.8 Vol % (108-65-6 2-methoxy-1-methylethyl
••	acetate)
Flash point:	41 °C
Auto-ignition temperature:	315 °C (108-65-6 2-methoxy-1-methylethyl acetate)
Decomposition temperature:	Not determined.
pH	Not determined.
Viscosity:	Not dotominod.
Kinematic viscosity	at 40 °C: > 20,5 mm²/s
Dynamic at 20 °C:	250 mPas
Solubility	200 mi do
water:	Reacts.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure at 20 °C:	
Density and/or relative density	6.7-8.2 hPa (1330-20-7 xylene)
Density at 20 °C:	1.07
•	1.07 g/cm ³
Relative density	Not determined.
· Vapour density	Not determined.
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. (Contd. on page

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· Change in condition		
• Evaporation rate	Not determined.	
· Information with regard to physical hazard c	lasses	
Explosives	Void	
Flammable gases	Void	
Aerosols	Void	
· Oxidising gases	Void	
· Gases under pressure	Void	
· Flammable liquids	Flammable liquid and vapour.	
· Flammable solids	Void	
Self-reactive substances and mixtures	Void	
· Pyrophoric liquids	Void	
Pyrophoric solids	Void	
Self-heating substances and mixtures	Void	
 Substances and mixtures, which emit flamm 	able	
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

 $^{\circ}$ 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

· Acute toxicity Harmful if inhaled.

· LD/LC50 values relevant for classification: 28182-81-2 Aliphatic polyisocyante LD50 >2,000 mg/kg (rat) Oral Dermal LD50 >2,000 mg/kg (rat) >2,000 mg/kg (rabbit) 108-65-6 2-methoxy-1-methylethyl acetate LD50 8,532 mg/kg (rat) Oral Inhalative LC50/4 h 35.7 mg/l (rat) 1330-20-7 xylene Oral LD50 3,523 mg/kg (rat) LD50 2,000 mg/kg (rabbit) Dermal 100-41-4 ethylbenzene Oral LD50 3,500 mg/kg (rat) LD50 17,800 mg/kg (rabbit) Dermal 822-06-0 hexamethylene-di-isocyanate Oral LD50 746 mg/kg (rat) LD50 Dermal >7,000 mg/kg (rat) (Contd. on page 9)

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Inhalative LC50/4 h 0.124 mg/l (rat)

Primary irritant effect:

- · Skin corrosion/irritation Causes skin irritation.
- · Serious eye damage/irritation Causes serious eye irritation.
- · Respiratory or skin sensitisation May cause an allergic skin reaction.
- · 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
--------	----------

28182-81-2 Aliphatic polyisocyante	
EC50/72 h >100 mg/l (algae)	
EC50/48 h >100 mg/l (Daphnia magna)	
LC50/96 h >100 mg/l (Danio rerio (zebra fish))	
108-65-6 2-methoxy-1-methylethyl acetate EC50/48 h 408-500 mg/l (Daphnia magna)	
LC50/48 n 408-500 mg/l (Daphnia magna) LC50/96 h 100-180 mg/l (Oncorhynchus mykiss)	
1330-20-7 xylene	
EC50/72 h 2.2 mg/l (algae)	
EC50/48 h >3.4 mg/l (Ceriodaphnia dubia)	
LC50/96 h 2.6 mg/l (Oncorhynchus mykiss)	
LC50/24 h 1 mg/l (Daphnia magna)	
100-41-4 ethylbenzene EC50/72 h 3.6-4.2 mg/l (algae)	
EC50/24 h 2.2 mg/l (Daphnia magna) LC50/96 h 4.2 mg/l (Oncorhynchus mykiss)	
822-06-0 hexamethylene-di-isocyanate	
, ,	
EC50/72 h 77.4 mg/l (aquatic algae and cyanobacteria)	
12.2 Persistence and degradability No further relevant information available. 12.3 Bioaccumulative potential No further relevant information available.	
 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. 	
 12.2 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 	
 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. 	
 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. 	
 12.2 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. 	
 12.2 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 	
 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 Additional ecological information: 	
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 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 Additional ecological information: 	er

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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.

· European waste catalogue

_a.epea.		
08 00 00 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AN 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	
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity	
HP13	Sensitising	

· 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 · IMDG, IATA PAINT · 14.3 Transport hazard class(es) · ADR/RID/ADN, IMDG, IATA · Class 3 Flammable liquids. · Label 3 14.4 Packing group · ADR/RID/ADN, IMDG, IATA Ш · 14.5 Environmental hazards: · Marine pollutant: No · 14.6 Special precautions for user Warning: Flammable liquids. · Hazard identification number (Kemler code): 30 · EMS Number: F-E,S-E Stowage Category А · 14.7 Maritime transport in bulk according to IMO instruments Not applicable. · Transport/Additional information: · ADR/RID/ADN · Limited quantities (LQ) 5L · Excepted quantities (EQ) Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml Transport category 3 (Contd. on page 11) FU

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 Tunnel restriction code 	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

SECTION 15: Regulatory information

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

· Named dangerous substances - ANNEX I None of the ingredients is listed.

- Seveso category P5c FLAMMABLE LIQUIDS
- · Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t
- · Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 74

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

None of the ingredients is listed.

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

None of the ingredients is listed.

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. Dijkstra
- Date of previous version: 04.02.2025
- · Version number of previous version: 50
- 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

[·] Directive 2012/18/EU

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(Contd. of page 11) 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. 1: Acute toxicity – Category 1 Acute Tox. 4: Acute toxicity – Category 1 Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 Resp. Sens. 1: Respiratory sensitisation – Category 1 Skin Sens. 1: Skin sensitisation – Category 1 STOT SE 3: Specific target organ toxicity (single exposure) – Category 2 Asp. Tox. 1: Aspiration hazard – Category 1 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2 Asp. Tox. 1: Aspiration hazard – Category 1 Stources - 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.