

Printing date 06.02.2025 Version: 17 (replaces version 16) Revision: 06.02.2025

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

· 1.1 Product identifier

· Trade name: POLYFINISH HS-ZL

· Article number: M4-1

· UFI: S36C-81HH-N00G-46UF

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 base

· 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

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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.
Skin Sens. 1 H317 May cause an allergic skin reaction.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

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- · 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





GHS02 GHS07

- · Signal word Warning
- · Hazard-determining components of labelling:

Reaction products of fatty acids, tall oil and fatty acids, C18 unsaturated, trimers and fatty acids, C18 unsaturated, dimers with (9Z)-octadec-9-en-1-amine

Octadecanoic acid, 12-hydroxy-, reaction products with hexamethylenediamine

Hazard statements

H226 Flammable liquid and vapour.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P241 Use explosion-proof [electrical/ventilating/lighting] equipment.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing

protection.

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

[or shower].

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

regulations.

- · 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

	n-butyl acetate The Flam. Liq. 3, H226; STOT SE 3, H336, EUH066	10-25%
CAS: 128601-23-0 EC number: 918-668-5 Reg.nr.: 01-2119455851-35	©9-aromatics ♠ Flam. Liq. 3, H226; ♦ Asp. Tox. 1, H304; ♦ Aquatic Chronic 2, H411; ♦ Acute Tox. 4, H312; STOT SE 3, H335-H336, EUH066	2.5-10%
	2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226; STOT SE 3, H336	2.5-10%
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	CAS: 107-98-2	1-Methoxy-2-propanol	2.5-10%
	EINECS: 203-539-1 Index number: 603-064-00-3 Reg.nr.: 01-2119457435-35	♠ Flam. Liq. 3, H226; ♦ STOT SE 3, H336	
		Octadecanoic acid, 12-hydroxy-, reaction products with hexamethylenediamine STOT RE 2, H373; Skin Sens. 1B, H317; Aquatic Chronic 4, H413	<1%
	EC number: 942-330-6 Reg.nr.: 01-2120101675-63	Reaction products of fatty acids, tall oil and fatty acids, C18 unsaturated, trimers and fatty acids, C18 unsaturated, dimers with (9Z)-octadec-9-en-1-amine STOT RE 2, H373; Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1A, H317; Aquatic Chronic 3, H412	<1%

· Additional information:

Note P of Annex 1A (67/548/EEC) applies to the product or one or more of its components (benzene <0.1 wt.%).

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:

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.
- 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.

· 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.

· 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: E	kposure controls/	'personal	protection
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· 8.1 Control parameters

ingrealer	nts with limit values that require mor	nitoring at the workplace:			
	n-butyl acetate				
	hort-term value: 723 mg/m³, 150 ppm ong-term value: 241 mg/m³, 50 ppm				
108-65-6	2-methoxy-1-methylethyl acetate				
L	hort-term value: 550 mg/m³, 100 ppm ong-term value: 275 mg/m³, 50 ppm kin				
107-98-2	1-Methoxy-2-propanol				
L	hort-term value: 568 mg/m³, 150 ppm ong-term value: 375 mg/m³, 100 ppm kin				
DNEL (D	erived No Effect Level) for workers:				
123-86-4	n-butyl acetate				
Dermal	Acute - systemic effects, worker	11 mg/kg bw/day (human)			
	Long-term - systemic effects, worker	11 mg/kg bw/day (human)			
Inhalative	Acute - systemic effects, worker	600 mg/m³ (human)			
	Acute - local effects, worker	600 mg/m³ (human)			
	Long-term - systemic effects, worker	300 mg/m³ (worker)			
	Long-term - local effects, worker	300 mg/m³ (human)			
128601-2	3-0 C9-aromatics				
Dermal	Long-term - systemic effects, worker	12.5 mg/kg bw/day (human)			
Inhalative	Long-term - systemic effects, worker	151 mg/m³ (human)			
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)			
107-98-2	1-Methoxy-2-propanol				
Dermal	Long-term - systemic effects, worker	50.6 mg/kg bw/day (worker)			
Inhalative	Acute - local effects, worker	553.5 mg/m³ (worker)			
	Long-term - systemic effects, worker	369 mg/m³ (worker)			

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Octadoca	noic acid, 12-hydroxy-, reaction produ	icts with	(Contd. of
			w/day (worker)
Demiai	Long-term - systemic effects, worker 1		,
Inhalative	-		n³ (worker)
minalative	Long-term - systemic effects, worker 3	•	•
Reaction	-	_	C18 unsaturated, trimers and fatty acids, 0
	ed, dimers with (9Z)-octadec-9-en-1-a		o to unouturatou, trimoro una fatty abias, s
Dermal	Long-term - systemic effects, worker 0		bw/day (worker)
Inhalative	Long-term - systemic effects, worker 0	.75 mg/m ³	(worker)
DNEL (De	rived No Effect Level) for the general	polulatio	n:
•	n-butyl acetate		
Oral	Acute - systemic effects, general popul	ation	2 mg/kg bw/day (human)
	Long-term - systemic effects, general p		
Dermal	Acute - systemic effects, general polula	-	6 mg/kg bw/day (human)
	Long-term - systemic effects, general p		
Inhalative	Acute - systemic effects, general popul	-	300 mg/m³ (general population)
	Acute - local effects, general population		300 mg/m³ (human)
	Long-term - systemic effects, general p		. , ,
	Long-term - local effects, general popul	-	35.7 mg/m³ (human)
128601-23	3-0 C9-aromatics		
Oral	Long-term - systemic effects, general p	opulation	7.5 mg/kg bw/day (human)
Dermal	Long-term - systemic effects, general p	opulation	7.5 mg/kg bw/day (human)
Inhalative	Long-term - systemic effects, general p	opulation	32 mg/m³ (human)
108-65-6 2	2-methoxy-1-methylethyl acetate		
Oral	Long-term - systemic effects, general p	opulation	1.67 mg/kg bw/day (general population)
Dermal	Long-term - systemic effects, general p	opulation	54.8 mg/kg bw/day (general population)
Inhalative	Long-term - systemic effects, general p	opulation	33 mg/m³ (general population)
107-98-2 1	I-Methoxy-2-propanol		
Oral		-	3.3 mg/kg bw/day (general population)
Dermal		-	18.1 mg/kg bw/day (general population)
	Long-term - systemic effects, general p		
	noic acid, 12-hydroxy-, reaction produ		
Oral	Acute - systemic effects, general popul		5 mg/kg bw/day (general population)
	Long-term - systemic effects, general p	-	
Dermal	Acute - systemic effects, general polula		5 mg/kg bw/day (general population)
	Long-term - systemic effects, general p	-	, ,
Inhalative	Acute - systemic effects, general popul		8.69 mg/m³ (general population)
	Long-term - systemic effects, general p	-	- 19 7
	products of fatty acids, tall oil and fat ed, dimers with (9Z)-octadec-9-en-1-a		C18 unsaturated, trimers and fatty acids, (
Oral			0.11 mg/kg bw/day (general population)
Dermal			0.21 mg/kg bw/day (general population)
- Omiai	Long-term - local effects, general popul	•	11.3 mg/kg (general population)
Inhalative	Long-term - systemic effects, general p		
			Comment Comm
•	edicted No Effect Concentration) valu	ies:	
	n-butyl acetate	0.40	// /frachwater)
•	empartment - freshwater	1 -	/L (freshwater)
•	ompartment - marine water		ng/L (marine water)
-	ompartment - water, intermittent releases	1 -	/L (not specified)
-	ompartment - sediment in freshwater		ng/kg sed dw (not specified)
Aquatic co	empartment - sediment in marine water	0.0981 1	mg/kg sed dw (not specified) (Contd. on



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Terrestrial compartment - soil	0.0903 mg/kg dw (not specified)
Sewage treatment plant	35.6 mg/L (not specified)
108-65-6 2-methoxy-1-methylethyl acetate	
Aquatic compartment - freshwater	0.635 mg/L (not specified)
Aquatic compartment - marine water	0.0635 mg/L (not specified)
·	6.35 mg/L (not specified)
Aquatic compartment - sediment in freshwater	3.29 mg/kg sed dw (not specified)
Aquatic compartment - sediment in marine water	0.329 mg/kg sed dw (not specified)
Terrestrial compartment - soil	0.29 mg/kg dw (not specified)
Sewage treatment plant	100 mg/L (not specified)
107-98-2 1-Methoxy-2-propanol	
Aquatic compartment - freshwater	10 mg/L (not specified)
Aquatic compartment - marine water	1 mg/L (not specified)
Aquatic compartment - water, intermittent releases	100 mg/L (not specified)
Aquatic compartment - sediment in freshwater	52.3 mg/kg sed dw (not specified)
Aquatic compartment - sediment in marine water	5.2 mg/kg sed dw (not specified)
Terrestrial compartment - soil	5.49 mg/kg dw (not specified)
Sewage treatment plant	100 mg/L (not specified)
Octadecanoic acid, 12-hydroxy-, reaction produc	cts with hexamethylenediamine
Aquatic compartment - freshwater	0.2 mg/L (freshwater)
Aquatic compartment - marine water	0.02 mg/L (marine water)
Aquatic compartment - water, intermittent releases	0.18 mg/L (intermittent release water)
Aquatic compartment - sediment in freshwater	860 mg/kg sed dw (sediment fresh water)
Aquatic compartment - sediment in marine water	86 mg/kg sed dw (sediment marine water)
Terrestrial compartment - soil	171.5 mg/kg dw (soil)
Sewage treatment plant	10 mg/L (sewage treatment plant)
Oral secondary poisoning	27.8 mg/kg food (food sec poisoning)
	y acids, C18 unsaturated, trimers and fatty acids, C1
unsaturated, dimers with (9Z)-octadec-9-en-1-an Aquatic compartment - freshwater	0.194 mg/L (freshwater)
Aquatic compartment - meshwater Aquatic compartment - marine water	0.019 mg/L (marine water)
	,
Aquatic compartment - water, intermittent releases Aquatic compartment - sediment in freshwater	29.6 mg/kg sed dw (sediment fresh water)
Aquatic compartment - sediment in freshwater Aquatic compartment - sediment in marine water	2.96 mg/kg sed dw (sediment marine water)
·	,
Terrestrial compartment - soil	120 mg/kg dw (soil)
Sewage treatment plant Oral secondary poisoning	100 mg/L (sewage treatment plant) 0.416 mg/kg food (food sec poisoning)

· 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.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

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

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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.

Butyl rubber, BR

Penetration time of glove material

KCL Butoject 897/898 breakthrough time 95 min. thickness: 0,3 / 0,7 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:

Nitrile rubber, NBR Natural rubber, NR Neoprene gloves

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

- \cdot 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 Liquid

According to product specification

Characteristic Not determined.

Undetermined.

124-128 °C (123-86-4 n-butyl acetate)

Flammable.

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Lower and upper explosion limit

• **Lower:** 1.2 Vol % (123-86-4 n-butyl acetate) • **Upper:** 7.5 Vol % (123-86-4 n-butyl acetate)

· Flash point: 27 °C

• Auto-ignition temperature: 315 °C (108-65-6 2-methoxy-1-methylethyl acetate)

Decomposition temperature: Not determined.pH Not determined.

· Viscosity:

• Kinematic viscosity at 40 °C: > 20,5 mm²/s

· Dynamic at 20 °C: 700 mPas

·Solubility

· water: Not miscible or difficult to mix.

· Partition coefficient n-octanol/water (log value) Not determined.

• Vapour pressure at 20 °C: 10.7 hPa (123-86-4 n-butyl acetate)

· Vapour pressure at 50 °C: 55 hPa

· Density and/or relative density

Density at 20 °C: ~1.48~~1.5 g/cm³
 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.

· 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
Void
Pyrophoric liquids
Pyrophoric solids
Self-heating substances and mixtures
Void
Substances and mixtures
Void

· Substances and mixtures, which emit flammable gases in contact with water

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.

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• 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:				
123-86-4 r	123-86-4 n-butyl acetate			
Oral	LD50	10,760 mg/kg (rat)		
Dermal	LD50	>17,600 mg/kg (rabbit)		
Inhalative	LC50/4 h	23.4 mg/l (rat)		
128601-23	128601-23-0 C9-aromatics			
Oral	LD50	5,558-7,093 mg/kg (rat)		
Dermal	LD50	2,000-3,160 mg/kg (rabbit)		
108-65-6 2	108-65-6 2-methoxy-1-methylethyl acetate			
Oral	LD50	8,532 mg/kg (rat)		
Inhalative	LC50/4 h	35.7 mg/l (rat)		
107-98-2 1	107-98-2 1-Methoxy-2-propanol			
Oral	LD50	5,660 mg/kg (rat)		
Dermal	LD50	13,000 mg/kg (rabbit)		

- · Primary irritant effect:
- · Skin corrosion/irritation Based on available data, the classification criteria are not met.
- · Serious eye damage/irritation Based on available data, the classification criteria are not met.
- · 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 Based on available data, the classification criteria are not met.
- 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:				
123-86-4 n-but	123-86-4 n-butyl acetate			
EC50/72 h	647.7 mg/l (algae)			
EC50/48 h	44 mg/l (Daphnia magna)			
EC50/24 h	EC50/24 h 335 mg/l (aquatic algae and cyanobacteria)			
LC50/96 h	LC50/96 h 18 mg/l (pimephales promelas)			
NOEC 21 days	NOEC 21 days 23.2 mg/l (aquatic invertebrates)			
108-65-6 2-met	108-65-6 2-methoxy-1-methylethyl acetate			
EC50/48 h	408-500 mg/l (Daphnia magna)			
LC50/96 h	LC50/96 h 100-180 mg/l (Oncorhynchus mykiss)			
107-98-2 1-Met	107-98-2 1-Methoxy-2-propanol			
EC50/48 h	23,300 mg/l (Daphnia magna)			
LC50/96 h	6,812 mg/l (Leuciscus idus)			
42.2 Deviatence and degradability. No further relevant information evaluable				

- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.

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· 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: Harmful to fish
- · Additional ecological information:
- · General notes:

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

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

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

Harmful to 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.

	· 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			
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, ADN, IMDG
 - · ADR/RID/ADN, ADN, IMDG Void · IATA UN1263
 - · 14.2 UN proper shipping name
 - · ADR/RID/ADN, ADN, IMDG Void
 · IATA PAINT
- · 14.3 Transport hazard class(es)
- · ADR/RID/ADN, ADN, IMDG
- · Class Void
- · IATA



- · Class 3 Flammable liquids.
- · Label
- · 14.4 Packing group
- · ADR/RID/ADN, IMDG Void

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·IATA	III
· 14.5 Environmental hazards: · Marine pollutant:	No
14.6 Special precautions for user	Not applicable.
14.7 Maritime transport in bulk accordin instruments	g to IMO Not applicable.
· Transport/Additional information:	
ADR/RID/ADN	
Remarks:	Up to 450 litre exempted according to ADR 2.2.3.1.5.
· IMDG · Remarks:	Up to 450 litre: Transport in accordance with Packs 2.3.2.5 of the IMDG Code.
IATA Remarks:	The "viscosity exemption" provisions do NOT apply to a transport.
UN "Model Regulation":	Void

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 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
- 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

3

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. Dijkstra

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

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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. 3: Flammable liquids - Category 3

Acute Tox. 4: Acute toxicity - Category 4

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

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1A: Skin sensitisation – Category 1A Skin Sens. 1B: Skin sensitisation – Category 1B

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 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

Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard - Category 4

· Sources

- 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.