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

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

· **1.1 Product identifier**
· Trade name: **Spray Sealer HV2**

· Article number: 87513, 87514
· **1.2 Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.
· Application of the substance / the mixture Adhesives

· **1.3 Details of the supplier of the safety data sheet**
· Manufacturer/Supplier: AKEMI chemisch technische Spezialfabrik GmbH
Lechstrasse 28
D 90451 Nürnberg
Tel. +49(0)911-642960
Fax. +49(0)911-644456
e-mail info@akemi.de

· Further information obtainable from: Laboratory
· **1.4 Emergency telephone number:** Product Safety Department AKEMI chemisch technische Spezialfabrik GmbH
Tel. +49(0)911-64296-59
Reachable during the following office hours:
Monday – Thursday from 07:30 a.m. to 16:30 p.m.
Friday from 07:30 a.m. to 13:30 p.m.

* **SECTION 2: Hazards identification**

· **2.1 Classification of the substance or mixture**
· Classification according to Regulation (EC) No 1272/2008 The product is not classified, according to the CLP regulation.

· **2.2 Label elements**
· Labelling according to Regulation (EC) No 1272/2008 Void
· Hazard pictograms Void
· Signal word Void

· Hazard-determining components of labelling: Not applicable.
· Hazard statements Void
· Additional information: Contains N-(3-(trimethoxysilyl)propyl)ethylenediamine, trimethoxyvinylsilane. May produce an allergic reaction.
Safety data sheet available on request.
Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

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

1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine

· Determination of endocrine-disrupting properties For information on endocrine disrupting properties see section 11.

* **SECTION 3: Composition/information on ingredients**

· **3.2 Mixtures**
· Description: Adhesive

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· Dangerous components:

CAS: 2768-02-7 EINECS: 220-449-8 Index number: 014-049-00-0 Reg.nr.: 01-2119513215-52-0003	trimethoxyvinylsilane Flam. Liq. 3, H226 Acute Tox. 4, H332; Skin Sens. 1B, H317	1-5%
CAS: 198028-14-7 EC number: 907-495-0 Reg.nr.: 01-2119545465-35	Reaktionsprodukt (Amidwachs) aus Oktadekanamid, 12-Hydroxy-N-[-2-[(1-oxodecyl)amino]ethyl]- und N,N'-Ethan-1,2-diylbis(1,2-hydroxyoktadekan-1-amid) [CAS 123-26-2] und Dekanamid, N,N'-1,2-Ethandiylbis Aquatic Chronic 3, H412	1-5%
CAS: 13822-56-5 EINECS: 237-511-5 Reg.nr.: 01-2119510159-45	3-(trimethoxysilyl)propylamine Eye Dam. 1, H318 Skin Irrit. 2, H315	<1%
CAS: 1760-24-3 EINECS: 217-164-6 Reg.nr.: 01-2119970215-39	N-(3-(trimethoxysilyl)propyl)ethylenediamine Eye Dam. 1, H318 Skin Sens. 1, H317; STOT SE 3, H335 vPvB	<1%
CAS: 52829-07-9 EINECS: 258-207-9 Reg.nr.: 01-2119537297-32	bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate Repr. 2, H361f Eye Dam. 1, H318 Aquatic Acute 1, H400; Aquatic Chronic 2, H411	<1%

· 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: Take affected persons out into the fresh air.
· After inhalation: Supply fresh air; consult doctor in case of complaints.
· After skin contact: If skin irritation continues, consult a doctor.
· After eye contact: Rinse opened eye for several minutes under running water.
· After swallowing: Rinse out mouth and then drink plenty of water.
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** Formation of toxic gases is possible during heating or in case of fire.
In case of fire, the following can be released:
Carbon monoxide (CO)
Under certain fire conditions, traces of other toxic gases cannot be excluded.

· **5.3 Advice for firefighters**

· Protective equipment: Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.
Wear fully protective suit.

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· Additional information Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation
Use respiratory protective device against the effects of fumes/dust/aerosol.
Particular danger of slipping on leaked/spilled product.

· **6.2 Environmental precautions:** Do not allow product to reach sewage system or any water course.
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 of the material collected according to regulations.
Ensure adequate ventilation.

· **6.4 Reference to other sections** No dangerous substances are released.
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** Store in cool, dry place in tightly closed receptacles.

· Information about fire - and explosion protection: Protect from heat.
Keep ignition sources away - Do not smoke.

· **7.2 Conditions for safe storage, including any incompatibilities**

· Storage:

· Requirements to be met by storerooms and receptacles: Store in a cool location.
Store only in the original receptacle.

· Information about storage in one common storage facility: Store away from foodstuffs.

· Further information about storage conditions: Protect from frost.

· Storage class: 12

· **7.3 Specific end use(s)** No further relevant information available.

*

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· Ingredients with limit values that require monitoring at the workplace:	
2768-02-7 trimethoxyvinylsilane	
TLV-ACGIH	Short-term value: 328 mg/m³, 250 ppm Long-term value: 262 mg/m³, 200 ppm
13822-56-5 3-(trimethoxysilyl)propylamine	
OEL	Long-term value: 266 mg/m³, 200 ppm

· DNELs		
2768-02-7 trimethoxyvinylsilane		
Oral	DNEL (Langzeit-wiederholt)	0.3 mg/kg bw/day (BEV)

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Dermal	DNEL (Kurzzeit-akut)	0.2 mg/kg bw/day (ARB)
		0.1 mg/kg bw/day (BEV)
	DNEL (Langzeit-wiederholt)	3.9 mg/kg bw/day (ARB)
		7.8 mg/kg bw/day (BEV)
Inhalative	DNEL (Kurzzeit-akut)	4.9 mg/m³ Air (ARB)
		93.4 mg/m³ Air (BEV)
	DNEL (Langzeit-wiederholt)	27.6 mg/m³ Air (ARB)
		6.7-18.9 mg/m³ Air (BEV)
198028-14-7 Reaktionsprodukt (Amidwachs) aus Oktadekanamid, 12-Hydroxy-N-[-2-[(1-oxodecyl)amino] ethyl]- und N,N'-Ethan-1,2-diylbis(1,2-hydroxyoktadekan-1-amid) [CAS 123-26-2] und Dekanamid, N,N'-1,2-Ethandiylbis		
Oral	DNEL (Langzeit-wiederholt)	0.56 mg/kg bw/day (BEV)
Dermal	DNEL (Kurzzeit-akut)	17.3 mg/kg bw/day (ARB)
		8.6 mg/kg bw/day (BEV)
	DNEL (Langzeit-wiederholt)	3.75 mg/kg bw/day (ARB)
Inhalative	DNEL (Kurzzeit-akut)	3 mg/m³ Air (ARB)
	DNEL (Langzeit-wiederholt)	17.3 mg/m³ Air (ARB)
13822-56-5 3-(trimethoxysilyl)propylamine		
Oral	DNEL (Langzeit-wiederholt)	5 mg/kg bw/day (BEV)
Dermal	DNEL (Kurzzeit-akut)	8.3 mg/kg bw/day (ARB)
		5 mg/kg bw/day (BEV)
	DNEL (Langzeit-wiederholt)	8.3 mg/kg bw/day (ARB)
		5 mg/kg bw/day (BEV)
Inhalative	DNEL (Kurzzeit-akut)	58 mg/m³ Air (ARB)
		17.4 mg/m³ Air (BEV)
	DNEL (Langzeit-wiederholt)	58 mg/m³ Air (ARB)
		17 mg/m³ Air (BEV)
1760-24-3 N-(3-(trimethoxysilyl)propyl)ethylenediamine		
Oral	DNEL (Langzeit-wiederholt)	2.5 mg/kg bw/day (BEV)
Dermal	DNEL (Kurzzeit-akut)	5 mg/kg bw/day (ARB)
		17 mg/kg bw/day (BEV)
	DNEL (Langzeit-wiederholt)	5 mg/kg bw/day (ARB)
		2.5 mg/kg bw/day (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	35.5 mg/m³ Air (ARB)
		8.7 mg/m³ Air (BEV)
52829-07-9 bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate		
Oral	DNEL (Kurzzeit-akut)	1 mg/kg bw/day (BEV)
	DNEL (Langzeit-wiederholt)	0.18 mg/kg bw/day (BEV)
Dermal	DNEL (Kurzzeit-akut)	2 mg/kg bw/day (ARB)
		1 mg/kg bw/day (BEV)
	DNEL (Langzeit-wiederholt)	1.8 mg/kg bw/day (ARB)
		0.9 mg/kg bw/day (BEV)
Inhalative	DNEL (Kurzzeit-akut)	5.6 mg/m³ Air (ARB)
		1.4 mg/m³ Air (BEV)
	DNEL (Langzeit-wiederholt)	1.27 mg/m³ Air (ARB)

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		0.31 mg/m³ Air (BEV)

· PNECs

2768-02-7 trimethoxyvinylsilane	
PNEC (wässrig)	6.6 mg/l (KA)
	0.036 mg/l (MW)
	0.36 mg/l (SW)
	2.4 mg/l (WAS)
PNEC (fest)	0.06 mg/kg Trockengew (BO)
	0.15 mg/kg Trockengew (MWS)
	1.5 mg/kg Trockengew (SWS)
198028-14-7 Reaktionsprodukt (Amidwachs) aus Oktadekanamid, 12-Hydroxy-N-[-2-[(1-oxodecyl)amino] ethyl]- und N,N'-Ethan-1,2-diylbis(1,2-hydroxyoktadekan-1-amid) [CAS 123-26-2] und Dekanamid, N,N'-1,2-Ethandiylbis	
PNEC (wässrig)	10 mg/l (KA)
	0.074 mg/l (MW)
	0.74 mg/l (SW)
PNEC (fest)	3,715 mg/kg Trockengew (BO)
	108 mg/kg Trockengew (MWS)
	1,080 mg/kg Trockengew (SWS)
13822-56-5 3-(trimethoxysilyl)propylamine	
PNEC (wässrig)	13 mg/l (KA)
	0.033 mg/l (MW)
	0.33 mg/l (SW)
PNEC (fest)	0.04 mg/kg Trockengew (BO)
	0.26 mg/kg Trockengew (SWS)
1760-24-3 N-(3-(trimethoxysilyl)propyl)ethylenediamine	
PNEC (wässrig)	25 mg/l (KA)
	0.0062 mg/l (MW)
	0.062 mg/l (SW)
	0.62 mg/l (WAS)
PNEC (fest)	0.0075 mg/kg Trockengew (BO)
	0.005 mg/kg Trockengew (MWS)
	0.05 mg/kg Trockengew (SWS)
52829-07-9 bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	
PNEC (wässrig)	1 mg/l (KA)
	0.00038 mg/l (MW)
	0.004 mg/l (SW)
	0.007 mg/l (WAS)
PNEC (fest)	1.6 mg/kg Trockengew (BO)
	0.59 mg/kg Trockengew (MWS)
	5.9 mg/kg Trockengew (SWS)

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

· **8.2 Exposure controls**

· Appropriate engineering controls No further data; see section 7.

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· Individual protection measures, such as personal protective equipment

· General protective and hygienic measures:	Do not eat, drink, smoke or sniff while working. Use skin protection cream for skin protection. Clean skin thoroughly immediately after handling the product.
· Respiratory protection:	Not necessary if room is well-ventilated. Use suitable respiratory protective device in case of insufficient ventilation. Short term filter device: Filter A/P2
· Hand protection	Preventive skin protection by use of skin-protecting agents is recommended. After use of gloves apply skin-cleaning agents and skin cosmetics. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. 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.
· Penetration time of glove material	The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
· For the permanent contact gloves made of the following materials are suitable:	Butyl rubber, BR
· As protection from splashes gloves made of the following materials are suitable:	Butoject (KCL, Art_No. 897, 898) Butyl rubber, BR Nitrile rubber, NBR
· Not suitable are gloves made of the following materials:	Leather gloves Strong material gloves
· Eye/face protection	Goggles recommended during refilling
· Body protection:	Light weight protective clothing

*
SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· General Information	
· Colour:	Different according to colouring
· Odour:	Odourless
· Odour threshold:	Not determined.
· Melting point/freezing point:	<5 °C
· Boiling point or initial boiling point and boiling range	>100 °C
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	Not applicable.
· Auto-ignition temperature:	>200 °C
· Decomposition temperature:	Not determined.

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· pH	Not determined. Not applicable
· Viscosity:	
· Kinematic viscosity at 20 °C	>20.5 mm²/s
· Dynamic:	Not determined. Not applicable
· Solubility	
· water:	Not miscible or difficult to mix.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure:	Not determined.
· Density and/or relative density	
· Density at 20 °C:	1.4 g/cm³
· Relative density	Not determined.
· Vapour density	Not determined.

· **9.2 Other information**	
· Appearance:	
· Form:	Pasty
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Solvent content:	
· Organic solvents:	0.0 %
· Solids content:	45.1 %
· 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	Void
· 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 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 and stored according to specifications.
· **10.3 Possibility of hazardous reactions**	No dangerous reactions known.
· **10.4 Conditions to avoid**	Heat, flames and other sources of ignition

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· **10.5 Incompatible materials:** Water
· **10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide
Nitrogen oxides (NOx)
Danger of forming toxic pyrolysis products.

* **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:

ATE (Acute Toxicity Estimates)		
Inhalative	LC50/4 h	840 mg/l (rat)

2768-02-7 trimethoxyvinylsilane		
Oral	LD50	6,899-7,120 mg/kg (rat) (OECD 401)
	NOAEL-Werte	250 mg/kg (rat) (OECD422)
Dermal	LD50	3,158-3,760 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/4h	16.8 mg/m3 (rat) (OECD 403)
	LC50/4 h	16.8 mg/l (rat)
	NOAEC	0.058-1.7 mg/l (rat) (EPA OTS)

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Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4h	5,110 mg/m3 (rat)
	LC50/4 h	>5.11 mg/l (rat)
	NOAEC	37 mg/l (algae)

13822-56-5 3-(trimethoxysilyl)propylamine		
Oral	LD50	2,970 mg/kg (rat)
Dermal	LD50	11,300 mg/kg (rabbit)
	LD50	>10,000 mg/kg (rabbit)

1760-24-3 N-(3-(trimethoxysilyl)propyl)ethylenediamine		
Oral	LD50	2,995 mg/kg (rat)
	NOEL	≥500 mg/kg (rat) (OECD 422)
	NOAEL	≥500 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h	1.49 mg/l (rat)

52829-07-9 bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate		
Oral	LD50	3,700 mg/kg (rat)
Dermal	LD50	>3,170 mg/kg (rat)
Inhalative	LC50/4h	500 mg/m3 (rat)

· 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 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.

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· 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:	
2768-02-7 trimethoxyvinylsilane	
IC50/72h	210 mg/l (selenastrum capricornutum)
EC50/48h	169 mg/l (daphnia magna) (OECD 202)
EC10/5h	1,000 mg/l (pseudomonas putida)
ErC50/72h	>957 mg/l (Desmodesmus subspicatus) (OECD 201)
	>89 mg/l (Pseudokirchneriella subcapitata)
EC50/8d	210 mg/l (Pseudokirchneriella subcapitata)
NOEC	28 mg/kg (daphnia magna) (OECD 211)
	25 mg/kg (Selenastrum capricornutum)
NOELR/72h	>957 mg/l (Desmodesmus subspicatus) (=ECD 201)
	≥89 mg/l (Pseudokirchneriella subcapitata)
NOEC/21d	28.1 mg/l (daphnia magna) (OECD 211)
EC10	1,000 mg/l (pseudomonas putida)
	32 mg/l (selenastrum capricornutum)
LC50/96h	>100 mg/l (Danio rerio.) (OECD 203)
	191 mg/l (Oncorhynchus mykiss) (OECD 203)
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EC50/48h	94.9 mg/l (daphnia magna)
NOEC/21d	>20 mg/l (daphnia magna)
EC10	37 mg/l (Pseudokirchneriella subcapitata)
EC50/72h	43.2 mg/l (Pseudokirchneriella subcapitata)
LC50/96h	>100 mg/l (Oncorhynchus mykiss)
13822-56-5 3-(trimethoxysilyl)propylamine	
EC50/48h	331 mg/l (daphnia magna)
EC50/72h	>1,000 mg/l (Desmodesmus subspicatus)
LC50/96h	>934 mg/l (Danio rerio.)
1760-24-3 N-(3-(trimethoxysilyl)propyl)ethylenediamine	
EC50	435 mg/l (Klärschlamm: Atmungs-/Vermehrungshemmung)
	67 mg/l (pseudomonas putida) (DIN 38412 part 8)
IC50/72h	8.8 mg/l (algae) (OECD 201)
EC50/48h	23 mg/l (daphnia magna) (OECD 202)
ErC50/72h	8.8 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
EC50/16h	67 mg/l (pseudomonas putida)

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NOEC	3.1 mg/kg (algae) (OECD 201)
	≥1,000 mg/kg (Eisenia fetida (Regenwürmer)) (OECD 207)
NOELR/72h	3.1 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
NOEC/21d	>1 mg/l (daphnia magna)
EC50/48h	87.4 mg/l (daphnia magna)
EC50/72h	5 mg/l (algae)
	126 mg/l (Scenedesmus subspicatus)
LC50/96h	344 mg/l (Brachydanio rerio)
	597 mg/l (Danio rerio.) (OECD 203)
	168 mg/l (pimephales promelas)
52829-07-9 bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	
EC50/24h	17 mg/l (daphnia magna)
EC50	>100 mg/l (BES)
EC50/48h	8.6 mg/l (daphnia magna)
NOEC/21d	0.23 mg/l (daphnia magna)
EC50/72h	0.705 mg/l (Pseudokirchneriella subcapitata)
	1.9 mg/l (Scenedesmus subspicatus)
LC50/96h	4.4 mg/l (Brachydanio rerio)
	4.4 mg/l (lepomis macrochirus)
	4.4 mg/l (Oncorhynchus mykiss)
	5.29 mg/l (Oryzias latipes)

· **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:	
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine

· **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.
· **12.7 Other adverse effects**
· Additional ecological information:
· General notes: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**
· Recommendation Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
Smaller quantities can be disposed of with household waste.

· 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 04 00	wastes from MFSU of adhesives and sealants (including waterproofing products)

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08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09
15 00 00	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01 00	packaging (including separately collected municipal packaging waste)
15 01 01	paper and cardboard packaging
15 00 00	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01 00	packaging (including separately collected municipal packaging waste)
15 01 02	plastic packaging

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

SECTION 14: Transport information

· **14.1 UN number or ID number**	
· ADR, ADN, IMDG, IATA	Void
· **14.2 UN proper shipping name**	
· ADR, ADN, IMDG, IATA	Void
· **14.3 Transport hazard class(es)**	
· ADR, ADN, IMDG, IATA	
· Class	Void
· **14.4 Packing group**	
· ADR, IMDG, IATA	Void
· **14.5 Environmental hazards:**	
· Marine pollutant:	No
· **14.6 Special precautions for user**	Not applicable.
· **14.7 Maritime transport in bulk according to IMO instruments**	Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.
· 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.

· 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.

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· 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

· National regulations:

· Information about limitation of use: Employment restrictions concerning juveniles must be observed.

· Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

· Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients is listed.

· VOC EU 54.2 g/l

· **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.
This Safety Data Sheets is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

· Department issuing SDS: Laboratory
· Date of previous version: 25.01.2023
· Version number of previous version: 8
· 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)
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organisation
ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
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
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
ATE: Acute toxicity estimate values
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. 1B: Skin sensitisation – Category 1B
Repr. 2: Reproductive toxicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Acute 1: Hazardous to the aquatic environment - acute 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