

Safety data sheet

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

Printing date 26.07.2024

Version number 5 (replaces version 4)

Revision: 26.07.2024

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

1.1 Product identifier

Trade name: **Textured Plastic Paint**

Article number: 87866, 87867

UFI: YXN3-T0PU-S001-MNRR

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

Coating material

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

Flam. Liq. 3 H226 Flammable liquid and vapour.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT RE 2 H373 May cause damage to the central nervous system and the hearing organs through prolonged or repeated exposure. Route of exposure: Inhalation.

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

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

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF exposed or concerned: Get medical advice/attention.

Storage:

Store in a well-ventilated place. Keep cool.

Store in a well-ventilated place. Keep container tightly closed.

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

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms

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



GHS02 GHS07 GHS08 GHS09

Signal word

Warning

Hazard-determining components of labelling:

xylene (mix)

Hazard statements

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

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<ul style="list-style-type: none"> · <u>Precautionary statements</u> · <u>Additional information:</u> · 2.3 Other hazards · <u>Results of PBT and vPvB assessment</u> · <u>PBT:</u> · <u>vPvB:</u> · <u>Determination of endocrine-disrupting properties</u> 	<p>H319 Causes serious eye irritation.</p> <p>H373 May cause damage to the central nervous system and the hearing organs through prolonged or repeated exposure. Route of exposure: Inhalation.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p> <p>P101 If medical advice is needed, have product container or label at hand.</p> <p>P102 Keep out of reach of children.</p> <p>P103 Read carefully and follow all instructions.</p> <p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P260 Do not breathe mist/vapours/spray.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves / eye protection.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P314 Get medical advice/attention if you feel unwell.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p> <p>P501 Dispose of contents/container in accordance with local/regional/national/international regulations.</p> <p>Contains 4-morpholinecarbaldehyde. May produce an allergic reaction.</p>
<ul style="list-style-type: none"> · <u>PBT:</u> · <u>vPvB:</u> 	<p>Not applicable.</p> <p>Not applicable.</p>
<ul style="list-style-type: none"> · <u>Determination of endocrine-disrupting properties</u> 	<p>For information on endocrine disrupting properties see section 11.</p>

SECTION 3: Composition/information on ingredients**3.2 Mixtures**

· Description: Mixture: consisting of the following components.

· Dangerous components:

CAS: 1330-20-7 EINECS: 215-535-7 Index number: 601-022-00-9 Reg.nr.: 01-2119555267-33	xylene (mix) Flam. Liq. 3, H226 STOT RE 2, H373; Asp. Tox. 1, H304 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 Aquatic Chronic 3, H412	12.5-25%
CAS: 64742-95-6 EC number: 918-668-5 Index number: 649-356-00-4 Reg.nr.: 01-2119455851-35	Solvent naphtha (petroleum), light arom. Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H335-H336 EUH066	<10%
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%
CAS: 100-41-4 EINECS: 202-849-4 Index number: 601-023-00-4 Reg.nr.: 01-2119489370-35 01-2119892111-44	ethylbenzene Flam. Liq. 2, H225 STOT RE 2, H373; Asp. Tox. 1, H304 Acute Tox. 4, H332 Aquatic Chronic 3, H412	1-5%

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CAS: 78-83-1 EINECS: 201-148-0 Index number: 603-108-00-1 Reg.nr.: 01-2119484609-23	butanol Flam. Liq. 3, H226 Eye Dam. 1, H318 Skin Irrit. 2, H315; STOT SE 3, H335-H336	1-5%
CAS: 1314-13-2 EINECS: 215-222-5 Index number: 030-013-00-7 Reg.nr.: 01-2119463881-32	zinc oxide Aquatic Acute 1, H400; Aquatic Chronic 1, H410	1-5%
CAS: 64742-48-9 EC number: 927-241-2 Reg.nr.: 01-2119471843-32	Naphtha (petroleum), hydrotreated heavy Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 3, H412 EUH066	1-5%
CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1 Reg.nr.: 01-2119485493-29	n-butyl acetate Flam. Liq. 3, H226 STOT SE 3, H336 EUH066	1-5%
CAS: 7779-90-0 EINECS: 231-944-3 Index number: 030-011-00-6 Reg.nr.: 01-2119485044-40-0000	trizinc bis(orthophosphate) Aquatic Acute 1, H400; Aquatic Chronic 1, H410	<1%
CAS: 4394-85-8 EINECS: 224-518-3 Reg.nr.: 01-2119987993-12	4-morpholinecarbaldehyde Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	<1%
CAS: 556-67-2 EINECS: 209-136-7 Index number: 014-018-00-1 Reg.nr.: 01-2119529238-36	octamethylcyclotetrasiloxane Flam. Liq. 3, H226 Repr. 2, H361f Aquatic Chronic 1, H410 (M=10) PBT; vPvB	<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: Position and transport stably in side position.
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 wash with water and soap and rinse thoroughly.
Immediately rinse with water.
- After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: Do not induce vomiting; call for medical help immediately.
If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed

Headache
Dizziness
Dizziness

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

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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.

· 5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released:
Carbon monoxide (CO)
During heating or in case of fire poisonous gases are produced.

· 5.3 Advice for firefighters**· Protective equipment:**

Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.
Mount respiratory protective device.

· Additional information

Cool endangered receptacles with water spray.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures**· 6.1 Personal precautions, protective equipment and emergency procedures**

Keep away from ignition sources.
Ensure adequate ventilation
Use respiratory protective device against the effects of fumes/dust/aerosol.
Mount respiratory protective device.

· 6.2 Environmental precautions:

Wear protective equipment. Keep unprotected persons away.
Do not allow to penetrate the ground/soil.
Do not allow product to reach sewage system or any water course.
Prevent seepage into sewage system, workpits and cellars.
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.
See Section 13 for disposal information.

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

Keep away from heat and direct sunlight.
Wear suitable respiratory protective device when decanting larger quantities without extractor facilities.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

· Information about fire - and explosion protection:

Fumes can combine with air to form an explosive mixture.
Do not spray onto a naked flame or any incandescent material.
Use explosion-proof apparatus / fittings and spark-proof tools.

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Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.

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

· Requirements to be met by storerooms and receptacles:

Prevent any seepage into the ground.

· Information about storage in one common storage facility:

VCI-Konzept für die Zusammenlagerung von Chemikalien beachten.
Store away from foodstuffs.

· Further information about storage conditions:

Protect from frost.

Keep container tightly sealed.

· Storage class:

3

· 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:

1330-20-7 xylene (mix)

IOELV	Short-term value: 442 mg/m ³ , 100 ppm
	Long-term value: 221 mg/m ³ , 50 ppm
	Skin

64742-95-6 Solvent naphtha (petroleum), light arom.

OEL	Long-term value: 100 mg/m ³ , 20 ppm
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108-65-6 2-methoxy-1-methylethyl acetate

IOELV	Short-term value: 550 mg/m ³ , 100 ppm
	Long-term value: 275 mg/m ³ , 50 ppm
	Skin

100-41-4 ethylbenzene

IOELV	Short-term value: 884 mg/m ³ , 200 ppm
	Long-term value: 442 mg/m ³ , 100 ppm
	Skin

123-86-4 n-butyl acetate

IOELV	Short-term value: 723 mg/m ³ , 150 ppm
	Long-term value: 241 mg/m ³ , 50 ppm

556-67-2 octamethylcyclotetrasiloxane

TWA	Long-term value: 10 mg/m ³ , 10* ppm
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· DNELs**1330-20-7 xylene (mix)**

Oral	DNEL (Langzeit-wiederholt)	12.5 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	212 mg/kg bw/day (ARB)
		125 mg/kg bw/day (BEV)
Inhalative	DNEL (Kurzzeit-akut)	442 mg/m ³ Air (ARB)
		260 mg/m ³ Air (BEV)
	DNEL (Langzeit-wiederholt)	221 mg/m ³ Air (ARB)
		65.3 mg/m ³ Air (BEV)

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64742-95-6 Solvent naphtha (petroleum), light arom.

Oral	DNEL (Langzeit-wiederholt)	11 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	25 mg/kg bw/day (ARB)
		11 mg/kg bw/day (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	150 mg/m ³ Air (ARB)
		32 mg/m ³ Air (BEV)

108-65-6 2-methoxy-1-methylethyl acetate

Oral	DNEL (Kurzzeit-akut)	500 mg/kg bw/day (BEV)
	DNEL (Langzeit-wiederholt)	1.67 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	153.5 mg/kg bw/day (ARB)
		54.8 mg/kg bw/day (BEV)
Inhalative	DNEL (Kurzzeit-akut)	550 mg/m ³ Air (ARB)
		33 mg/m ³ Air (BEV)
	DNEL (Langzeit-wiederholt)	275 mg/m ³ Air (ARB)
		33 mg/m ³ Air (BEV)

100-41-4 ethylbenzene

Oral	DNEL (Langzeit-wiederholt)	1.6 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	180 mg/kg bw/day (ARB)
Inhalative	DNEL (Kurzzeit-akut)	293 mg/m ³ Air (ARB)
		77 mg/m ³ Air (ARB)
		15 mg/m ³ Air (BEV)

78-83-1 butanol

Oral	DNEL (Langzeit-wiederholt)	25 mg/kg bw/day (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	310 mg/m ³ Air (ARB)
		55 mg/m ³ Air (BEV)

1314-13-2 zinc oxide

Oral	DNEL (Langzeit-wiederholt)	0.83 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	83 mg/kg bw/day (ARB)
		83 mg/kg bw/day (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	5 mg/m ³ Air (ARB)
		2.5 mg/m ³ Air (BEV)

64742-48-9 Naphtha (petroleum), hydrotreated heavy

Oral	DNEL (Langzeit-wiederholt)	46 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	77 mg/kg bw/day (ARB)
		46 mg/kg bw/day (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	871 mg/m ³ Air (ARB)
		185 mg/m ³ Air (BEV)

123-86-4 n-butyl acetate

Oral	DNEL (Kurzzeit-akut)	2 mg/kg bw/day (BEV)
	DNEL (Langzeit-wiederholt)	2 mg/kg bw/day (BEV)
Dermal	DNEL (Kurzzeit-akut)	11 mg/kg bw/day (ARB)
		6 mg/kg bw/day (BEV)
	DNEL (Langzeit-wiederholt)	11 mg/kg bw/day (ARB)
		6 mg/kg bw/day (BEV)
Inhalative	DNEL (Kurzzeit-akut)	960 mg/m ³ Air (ARB)

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	DNEL (Langzeit-wiederholt)	859.7 mg/m ³ Air (BEV) 480 mg/m ³ Air (ARB) 102.34 mg/m ³ Air (BEV)
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7779-90-0 trizinc bis(orthophosphate)

Oral	DNEL (Langzeit-wiederholt)	0.83 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	83 mg/kg bw/day (ARB)
		83 mg/kg bw/day (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	5 mg/m ³ Air (ARB)
		2.5 mg/m ³ Air (BEV)

556-67-2 octamethylcyclotetrasiloxane

Oral	DNEL (Kurzzeit-akut)	3.7 mg/kg bw/day (BEV)
	DNEL (Langzeit-wiederholt)	3.7 mg/kg bw/day (BEV)
Inhalative	DNEL (Kurzzeit-akut)	73 mg/m ³ Air (ARB)
		13 mg/m ³ Air (BEV)
	DNEL (Langzeit-wiederholt)	73 mg/m ³ Air (ARB) 13 mg/m ³ Air (BEV)

· PNECs

1330-20-7 xylene (mix)

PNEC (wässrig)	6.58 mg/l (KA)
	0.327 mg/l (MW)
	0.327 mg/l (SW)
	0.327 mg/l (WAS)
PNEC (fest)	2.31 mg/kg Trockengew (BO)
	12.46 mg/kg Trockengew (MWS)
	12.46 mg/kg Trockengew (SWS)

108-65-6 2-methoxy-1-methylethyl acetate

PNEC (wässrig)	100 mg/l (KA)
	0.0635 mg/l (MW)
	0.635 mg/l (SW)
	6.35 mg/l (WAS)
PNEC (fest)	0.29 mg/kg Trockengew (BO)
	0.329 mg/kg Trockengew (MWS)
	3.29 mg/kg Trockengew (SWS)

100-41-4 ethylbenzene

PNEC (wässrig)	9.6 mg/l (KA)
	0.01 mg/l (MW)
	0.1 mg/l (SW)
	0.1 mg/l (WAS)
PNEC (fest)	2.68 mg/kg Trockengew (BO)
	1.37 mg/kg Trockengew (MWS)
	13.7 mg/kg Trockengew (SWS)

78-83-1 butanol

PNEC (wässrig)	10 mg/l (KA)
	0.04 mg/l (MW)
	0.4 mg/l (SW)

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PNEC (fest)	11 mg/l (WAS) 0.0699 mg/kg Trockengew (BO) 0.152 mg/kg Trockengew (MWS) 1.52 mg/kg Trockengew (SWS)
1314-13-2 zinc oxide	
PNEC (wässrig)	52 mg/l (KA) 6.1 mg/l (MW) 20.6 mg/l (SW)
PNEC (fest)	35.6 mg/kg Trockengew (BO) 56.5 mg/kg Trockengew (MWS) 117 mg/kg Trockengew (SWS)
123-86-4 n-butyl acetate	
PNEC (wässrig)	35.6 mg/l (KA) 0.018 mg/l (MW) 0.18 mg/l (SW) 0.36 mg/l (WAS)
PNEC (fest)	0.0903 mg/kg Trockengew (BO) 0.0981 mg/kg Trockengew (MWS) 0.981 mg/kg Trockengew (SWS)
556-67-2 octamethylcyclotetrasiloxane	
PNEC (wässrig)	10 mg/l (KA) 0.00015 mg/l (MW) 0.0015 mg/l (SW)
PNEC (fest)	0.84 mg/kg Trockengew (BO) 0.064 mg/kg Trockengew (MWS) 0.64 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.
- 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.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.

· Respiratory protection:

Short term filter device:
Filter A-P2
Not required.

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.

· Hand protection

Preventive skin protection by use of skin-protecting agents is recommended.
After use of gloves apply skin-cleaning agents and skin cosmetics.

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**Protective gloves**

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

Fluorocarbon rubber (Viton)

Nitrile rubber, NBR

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 materialValue for the permeation: Level \leq 6, 480 min

The exact break through 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:

Fluorocarbon rubber (Viton)

Vitoject (KCL, Art_No. 890)

Butyl rubber, BR

· As protection from splashes gloves made of the following materials are suitable:

Nitrile rubber, NBR

Camatril (KCL, 730, 731, 732, 733)

Butoject (KCL, Art_No. 897, 898)

Camapren (KCL, Art_No. 720, 722, 726)

Butyl rubber, BR

· Not suitable are gloves made of the following materials:

Leather gloves

Strong material gloves

Nitrile rubber, NBR

· Eye/face protection**Tightly sealed goggles**· Body protection:

Protective work clothing

SECTION 9: Physical and chemical properties· **9.1 Information on basic physical and chemical properties**· General Information· Colour:

According to product specification

· Odour:

Specific type

· Odour threshold:

Not determined.

· Melting point/freezing point:

Undetermined.

· Boiling point or initial boiling point and boiling range

136 °C

· Flammability

Not applicable.

· Lower and upper explosion limit· Lower:

0.7 Vol %

· Upper:

10.8 Vol %

· Flash point:

23 °C (1330-20-7 xylene (mix))

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· <u>Auto-ignition temperature:</u>	315 °C (108-65-6 2-methoxy-1-methylethyl acetate)
· <u>Decomposition temperature:</u>	Not determined.
· <u>pH</u>	Not determined.
	Not applicable
· <u>Viscosity:</u>	
· <u>Kinematic viscosity at 40 °C</u>	>250 mm ² /s
· <u>Dynamic:</u>	Not determined.
· <u>Solubility</u>	
· <u>water:</u>	Fully miscible.
· <u>Partition coefficient n-octanol/water (log value)</u>	Not determined.
· <u>Vapour pressure at 20 °C:</u>	6.7-8.2 hPa (1330-20-7 xylene (mix))
· <u>Density and/or relative density</u>	
· <u>Density at 20 °C:</u>	1.2 g/cm ³
· <u>Relative density</u>	Not determined.
· <u>Vapour density</u>	Not determined.

9.2 Other information

· <u>Appearance:</u>	
· <u>Form:</u>	Fluid
· <u>Important information on protection of health and environment, and on safety.</u>	
· <u>Ignition temperature:</u>	Product is not selfigniting.
· <u>Explosive properties:</u>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· <u>Solvent content:</u>	
· <u>Organic solvents:</u>	40.1 %
· <u>Solids content:</u>	59.2 %
· <u>Change in condition</u>	
· <u>Evaporation rate</u>	Not determined.

· <u>Information with regard to physical hazard classes</u>	
· <u>Explosives</u>	Void
· <u>Flammable gases</u>	Void
· <u>Aerosols</u>	Void
· <u>Oxidising gases</u>	Void
· <u>Gases under pressure</u>	Void
· <u>Flammable liquids</u>	Flammable liquid and vapour.
· <u>Flammable solids</u>	Void
· <u>Self-reactive substances and mixtures</u>	Void
· <u>Pyrophoric liquids</u>	Void
· <u>Pyrophoric solids</u>	Void
· <u>Self-heating substances and mixtures</u>	Void
· <u>Substances and mixtures, which emit flammable gases in contact with water</u>	Void
· <u>Oxidising liquids</u>	Void
· <u>Oxidising solids</u>	Void
· <u>Organic peroxides</u>	Void
· <u>Corrosive to metals</u>	Void
· <u>Desensitised explosives</u>	Void

SECTION 10: Stability and reactivity

· 10.1 Reactivity	No further relevant information available.
· 10.2 Chemical stability	
· <u>Thermal decomposition / conditions to be avoided:</u>	No decomposition if used according to specifications.

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- **10.3 Possibility of hazardous reactions** Forms explosive gas mixture with air.
- **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:**ATE (Acute Toxicity Estimates)**

Inhalative	LC50/4 h	573 mg/l (rat)
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1330-20-7 xylene (mix)

Oral	LD50	3,523-4,300 mg/kg (rat)
Dermal	LD50	>4,200 mg/kg (rabbit)
Inhalative	LC50/4h	29,000 mg/m ³ (rat)
	LC50/4 h	21.7 mg/l (rat)
	LC50/48h	86 mg/l (Leuciscus idus)

64742-95-6 Solvent naphtha (petroleum), light arom.

Oral	LD50	3,592 mg/kg (rat)
Dermal	LD50	>3,160 mg/kg (rabbit)
		>2,000 mg/kg (rat)

108-65-6 2-methoxy-1-methylethyl acetate

Oral	LD50	8,500 mg/kg (rat) (OECD 401)
	NOAEL-Werte	1,500 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit) (OECD 402)
		>2,000 mg/kg (rat)
Inhalative	LC50/4h	>10,000 mg/m ³ (rat)
	LC50	>23.8 mg/l (rat)
	LC50/4 h	35.7 mg/l (rat)
	LC50/48h	100 mg/l (Desmodesmus subspicatus)

100-41-4 ethylbenzene

Oral	LD50	3,500 mg/kg (rat)
Dermal	LD50	17,800 mg/kg (rabbit)
Inhalative	LC50/4 h	17.2 mg/l (rat)

78-83-1 butanol

Oral	LD50	2,460 mg/kg (rat)
Dermal	LD50	3,400 mg/kg (rabbit)

1314-13-2 zinc oxide

Oral	LD50	7,950 mg/kg (mouse)
		>5,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h	>5,700 mg/l (rat)

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64742-48-9 Naphtha (petroleum), hydrotreated heavy

Oral	LD50	>5,000 mg/kg (rat) (OECD 401)
Dermal	LD50	>5,000 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/4h	>4.951 mg/m ³ (rat) (OECD403)

123-86-4 n-butyl acetate

Oral	LD50	10,760 mg/kg (rat) (OECD 423)
Dermal	LD50	>14,112 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/4 h	23.4 mg/l (rat) (OECD 403)
	LC50	390 mg/m ³ (rat)
	LC50/48h	64 mg/l (Brachydanio rerio)

7779-90-0 trizinc bis(orthophosphate)

Oral	LD50	>5,000 mg/kg (rat)
Inhalative	LC50/4 h	>5.7 mg/l (rat)

4394-85-8 4-morpholinecarbaldehyde

Oral	LD50	7,440 mg/kg (rat)
Dermal	LD50	18,400 mg/kg (rabbit)
Inhalative	LC50/4 h	5,319 mg/l (rat)

556-67-2 octamethylcyclotetrasiloxane

Oral	LD50	>4,800 mg/kg (rat)
Dermal	LD50	>2,400 mg/kg (rat)
	LD50	2,500 µl/kg (rabbit)
Inhalative	LC50/4h	2,975 mg/m ³ (rat)
	LC50/4 h	36 mg/l (rat)

- Primary irritant effect: Do not get in eyes, on skin, or on clothing.
- Skin corrosion/irritation Causes skin irritation.
- Serious eye damage/irritation Causes serious eye irritation.
- 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 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

541-02-6	2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane	List II
556-67-2	octamethylcyclotetrasiloxane	List II; III

SECTION 12: Ecological information**12.1 Toxicity**

- Aquatic toxicity:

1330-20-7 xylene (mix)

EC50/24h	>175 mg/l (bacteria)
	165 mg/l (daphnia magna)
EC50	10 mg/l (bacteria)
IC50	96 mg/l (BES)

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LC50	1 mg/l (daphnia magna) 2 mg/l (piscis)
LC50/24h	32 mg/l (Iepomis macrochirus)
IC50/72h	2.2 mg/l (algae) 3.3 mg/l (Pseudokirchneriella subcapitata)
EC50/48h	3.82 mg/l (daphnia magna)
NOEC	0.96-1.17 mg/l (daphnia magna) >1.3 mg/l (Oncorhynchus mykiss) 0.44 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
EC50/72h	4.7 mg/l (Pseudokirchneriella subcapitata) 2.2 mg/l (selenastrum capricornutum) (OECD 201)
LC50/96h	16.9 mg/l (carp) 1.57 mg/l (Cyprinus carpio) 3.77-13.5 mg/l (piscis) 20.9 mg/l (Iepomis macrochirus) 7.6 mg/l (Oncorhynchus mykiss) 13.4 mg/l (Pimephales promelas)

64742-95-6 Solvent naphtha (petroleum), light arom.

EC50	<10 mg/l (daphnia magna)
IC50	<10 mg/l (daphnia magna)
LC50	<10 mg/l (algae) >1-<10 mg/l (piscis)
EL50/48h	3.2 mg/l (ceriodaphnia Dubai) 3.2 mg/l (daphnia magna)
EL50/72h	2.6-2.9 mg/l (Pseudokirchneriella subcapitata) 2.9 mg/l (selenastrum capricornutum)
LL50/96h	9.2 mg/l (Oncorhynchus mykiss)
NOELR/72h	1 mg/l (Pseudokirchneriella subcapitata)
EC50/48h	3.2 mg/l (daphnia magna)
EC50/72h	2.9 mg/l (Pseudokirchneriella subcapitata)
LC50/96h	9.2 mg/l (Oncorhynchus mykiss)

108-65-6 2-methoxy-1-methylethyl acetate

EC50	>100 mg/l (daphnia magna)
LC50	63.5 mg/l (Oryzias latipes)
EC50/48h	>500 mg/l (daphnia magna) (RL 67/548/EWG. Anhang V, C.2.)
ErC50/72h	>1,000 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
EC20/0.5h	>1,000 mg/l (BES) (OECD 209)
NOEC	47.5 mg/l (Oryzias latipes)
NOEC/21d	≥100 mg/l (daphnia magna)
EC10	>1,000 mg/l (BES)
EC50/72h	>1,000 mg/l (Pseudokirchneriella subcapitata)
LC50/96h	100-180 mg/l (Oncorhynchus mykiss) >1,000 mg/l (Oryzias latipes) 161 mg/l (Pimephales promelas)

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100-41-4 ethylbenzene

LC50/24h	26.74-43.67 mg/l (Iepomis macrochirus)
EC5	12 mg/l (Pseudomonas putida)
EC50/48h	1.8-2.4 mg/l (Daphnia magna)
EC50/16h	>12 mg/l (bacteria)
EC50/30min	600 mg/l (BES)
EC50/72h	4.9 mg/l (Skeletonema costatum (Kieselalge)) 5.4 mg/l (Pseudokirchneriella subcapitata) 4.6 mg/l (Selenastrum capricornutum)
LC50/96h	94.44 mg/l (carp) 32 mg/l (Iepomis macrochirus) 4.2 mg/l (Oncorhynchus mykiss) 12.1 mg/l (Pimephales promelas)

78-83-1 butanol

EC10/18h	280 mg/l (Pseudomonas putida)
EC50/48h	1,100 mg/l (Daphnia magna)
ErC50/72h	1,799 mg/l (Pseudokirchneriella subcapitata)
NOEC/21d	20 mg/l (Daphnia magna)
EC50/72h	2,300 mg/l (Scenedesmus subspicatus)
LC50/96h	1,430 mg/l (Pimephales promelas)

1314-13-2 zinc oxide

EC50/48h	>1,000 mg/l (Daphnia magna)
NOELR/72h	0.017 mg/l (Pseudokirchneriella subcapitata)
EC50/48h	1 mg/l (Daphnia magna)
EC50/72h	0.17 mg/l (Selenastrum capricornutum)
LC50/96h	>320 mg/l (Iem) 1.1 mg/l (Oncorhynchus mykiss) 2,246 mg/l (Pimephales promelas)
LC50/72h	0.17 mg/l (Selenastrum capricornutum)

64742-48-9 Naphtha (petroleum), hydrotreated heavy

EL50/48h	22-46 mg/l (Daphnia magna)
EL50/72h	>1,000 mg/l (Pseudokirchneriella subcapitata)
LL50/96h	10-30 mg/l (Oncorhynchus mykiss)
NOELR/72h	<1 mg/l (Pseudokirchneriella subcapitata)

123-86-4 n-butyl acetate

EC50/24h	72.8 mg/l (Daphnia magna) (DIN 38412)
EC50/96h	320 mg/l (algae)
LC50/24h	205 mg/l (Daphnia magna)
IC50/72h	648 mg/l (Desmodesmus subspicatus)
EC10/18h	959 mg/l (Pseudomonas putida)
EC50/48h	44 mg/l (Daphnia magna) (OECD 202)
EC50/16h	959 mg/l (Pseudomonas putida)
NOEC	200 mg/kg (Desmodesmus subspicatus)
NOEC/21d	23 mg/l (Daphnia magna) (OECD 211)
EC50/72h	647.7 mg/l (Desmodesmus subspicatus) (Zellvermehrungshemmtest)

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LC50/96h	397 mg/l (Scenedesmus subspicatus) 62 mg/l (Danio rerio.) 81 mg/l (piscis) 100 mg/l (Iepomis macrochirus) 62 mg/l (Leuciscus idus) (DIN 38412) 18 mg/l (Pimephales promelas) (OECD 203)
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7779-90-0 trizinc bis(orthophosphate)

EC50/48h	28.2 mg/l (daphnia magna)
ErC50/72h	<0.3 mg/l (Desmodesmus subspicatus)
EC50/48h	<1.7 mg/l (daphnia magna)
EC50/72h	0.28 mg/l (Selenastrum capricornutum)
LC50/96h	<5.1 mg/l (Oncorhynchus mykiss)

556-67-2 octamethylcyclotetrasiloxane

EC50/96h	>0.022 mg/l (Pseudokirchneriella subcapitata)
EC50/48h	>0.015 mg/l (daphnia magna)
NOEC/21d	>0.0079 mg/l (daphnia magna)
EC50/72h	>0.022 mg/l (Pseudokirchneriella subcapitata)
LC50/96h	>0.022 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**

For information on endocrine disrupting properties see section 11.

- **12.7 Other adverse effects**

- Remark: Toxic for fish

- **Additional ecological information:**

- **General notes:**

Do not allow product to reach ground water, water course or sewage system. Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

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

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

- **Uncleaned packaging:**

- **Recommendation:**

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

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· Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information**· 14.1 UN number or ID number**

· ADR, IMDG, IATA UN1263

· 14.2 UN proper shipping name

· ADR 1263 PAINT, ENVIRONMENTALLY HAZARDOUS
 · IMDG PAINT, MARINE POLLUTANT
 · IATA PAINT

· 14.3 Transport hazard class(es)

· ADR



· Class 3 (F1) Flammable liquids.
 · Label 3

· IMDG



· Class 3 Flammable liquids.
 · Label 3

· IATA



· Class 3 Flammable liquids.
 · Label 3

· 14.4 Packing group

· ADR, IMDG, IATA III

· 14.5 Environmental hazards:

· Marine pollutant: Yes
 Symbol (fish and tree)
 · Special marking (ADR): Symbol (fish and tree)

· 14.6 Special precautions for user

Warning: Flammable liquids.
 · Hazard identification number (Kemler code): 30
 · EMS Number: F-E, S-E
 · Stowage Category: A

· 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

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· Transport/Additional information:

· <u>ADR</u>	5L
· <u>Limited quantities (LQ)</u>	Code: E1
· <u>Excepted quantities (EQ)</u>	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
· <u>Transport category</u>	3
· <u>Tunnel restriction code</u>	D/E
· <u>Remarks:</u>	≤ 450 l: no dangerous good

· IMDG

· <u>Limited quantities (LQ)</u>	5L
· <u>Excepted quantities (EQ)</u>	Code: E1
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
· <u>Remarks:</u>	≤ 450 l: no dangerous good

· <u>UN "Model Regulation":</u>	UN 1263 PAINT, 3, III, ENVIRONMENTALLY HAZARDOUS
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SECTION 15: Regulatory information· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

· <u>Directive 2012/18/EU</u>	
· <u>Named dangerous substances - ANNEX I</u>	None of the ingredients is listed.
· <u>Seveso category</u>	E2 Hazardous to the Aquatic Environment P5c FLAMMABLE LIQUIDS
· <u>Qualifying quantity (tonnes) for the application of lower-tier requirements</u>	200 t
· <u>Qualifying quantity (tonnes) for the application of upper-tier requirements</u>	500 t
· <u>REGULATION (EC) No 1907/2006 ANNEX XVII</u>	Conditions of restriction: 3, 70

· <u>DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II</u>

None of the ingredients is listed.

· <u>REGULATION (EU) 2019/1148</u>

· <u>Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))</u>

None of the ingredients is listed.

· <u>Annex II - REPORTABLE EXPLOSIVES PRECURSORS</u>
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None of the ingredients is listed.

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

None of the ingredients is listed.

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

None of the ingredients is listed.

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- National regulations:
- Information about limitation of use: Employment restrictions concerning pregnant and lactating women must be observed.
Employment restrictions concerning juveniles must be observed.
- Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

<u>Substances of very high concern (SVHC) according to REACH, Article 57</u>
None of the ingredients is listed.

<u>VOC EU</u>	481.2 g/l
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15.2 Chemical safety assessment:	A Chemical Safety Assessment has not been carried out.
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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.

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|--|--|
| <u>Department issuing SDS:</u> | Laboratory |
| <u>Date of previous version:</u> | 24.10.2023 |
| <u>Version number of previous version:</u> | 4 |
| <u>Abbreviations and acronyms:</u> | 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
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
ATE: Acute toxicity estimate values
Flam. Liq. 2: Flammable liquids – Category 2
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
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
Repr. 2: Reproductive toxicity – Category 2
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 |