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

1.1. Product identifier

printodent GR-13.1 model

UFI U3EW-A4CJ-WT3U-NNRX

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

Relevant identified uses: 3D printing
Uses advised against: Private households (= general public). Observe instructions for use.

1.3. Details of the supplier of the safety data sheet

Manufacturer
pro3dure medical GmbH

Am Burgberg 13
D 58642 Iserlohn

Telephone +49 (0)2374 920050-10
Telefax:

Supplier
pro3dure medical GmbH

Am Burgberg 13
D 58642 Iserlohn

Telephone +49 (0)2374 920050-10
Telefax:

Information contact
pro3dure medical GmbH

Information telephone +49 (0)2374 920050-10
Information telefax
E-mail (competent person) info@pro3dure.com
Website www.pro3dure.com

1.4. Emergency telephone number

pro3dure medical GmbH
This number is serviced during office hours.

Telephone +49 (0)2374 920050-10

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008:
Skin Sens. 1, H317; Eye Irrit. 2, H319; Repr. 1B, H360Fd

2.2. Label elements

Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard pictograms

GHS07, GHS08

Signal word: Danger

Hazard statements:

H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H360Fd May damage fertility. Suspected of damaging the unborn child.

Precautionary statements:

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P263 Avoid contact during pregnancy and while nursing.
P264.1 Wash hands thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+352.1 IF ON SKIN: Wash with plenty of soap and water.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+313 If skin irritation or rash occurs: Get medical advice/attention.
P337+313 If eye irritation persists: Get medical advice/attention.
P362+364 Take off contaminated clothing and wash it before reuse.
P403+233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local and national regulations.

Special labelling of particular preparations:
Hazardous component(s) for labelling:7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate, Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide, 2-Propenoic acid, reaction products with pentaerythritol

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
No endocrine-disrupting properties known (see section 12) Annex XVII, entry : not relevant
Contains: SVHC substance.
CA Proposition 65 : Substance(s) not listed.

SECTION 3: Composition / information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Mixture with, among others, the following ingredients and other non-hazardous admixtures

Composition/information on ingredients

Substance:	CAS-No.:	REACH-no.:	Concentration:	Classification: EC 1272/2008 (CLP):	M, ATE, Note
7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate	72869-86-4	01-2120751202-68-XXXX	< 03	Skin Sens. 1, H317	M = 0 ATE (dermal) = >2000 mg/kg bw ATE (oral) = >5000 mg/kg bw ATE (inhalativ) = - Classification acc. ATP21
2-Propenoic acid, reaction products with pentaerythritol	1245638-61-2	2119490003-49-xxxx	< 03	Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Dam. 1, H318; Skin Sens. 1, H317; Aquatic Chronic 2, H411	ATE (dermal) = >2000 mg/kg ATE (oral) = 540 mg/kg ATE (inhalativ) = -
Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	162881-26-7	01-2119489401-38-xxxx	< 01	Skin Sens. 1, H317; Aquatic Chronic 4, H413	ATE (dermal) = 2000 mg/kg bw ATE (oral) = 2000 mg/kg bw ATE (inhalativ) = -
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	01-2119972295-29-xxxx	< 01	Skin Sens. 1, H317; Repr. 1B, H360Fd	M = 0 ATE (dermal) = > 2000 mg/kg bw ATE (oral) = > 5000 mg/kg bw ATE (inhalativ) = -

(Full text of H- and EUH-statements: see section 16.)

SECTION 4: First aid measures

4.1. Description of first aid measures

General information: In case of accident or unwellness, seek medical advice immediately Remove contaminated, saturated clothing immediately. Medical attention is required if symptoms clearly result from contact with the product on skin, eyes, or from inhalation of vapors.

In case of inhalation: Provide fresh air. Seek medical attention if problems persist.

Following skin contact: After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

After eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if problems persist.

After ingestion: Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Seek medical attention if problems persist.

4.2. Most important symptoms and effects, both acute and delayed

Possible harmful effect(s) on human beings and possible symptom(s): Skin sensitisation Irritation to respiratory tract Skin and eye irritation

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

First Aid, decontamination, treatment of symptoms. May cause sensitisation especially in sensitive humans.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Foam. ABC-powder. BC-powder. Carbon dioxide (CO2). Nitrogen.

Unsuitable extinguishing media Water spray jet. Full water jet. Excess water.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon dioxide (CO2). Carbon monoxide.

5.3. Advice for firefighters

General information

Move undamaged containers from immediate hazard area if it can be done safely. Use water spray jet to protect personnel and to cool endangered containers. Do not allow water used to extinguish fire to enter drains or waterways. Co-ordinate fire-fighting measures to the fire surroundings.

Special protective equipment for fire-fighters:

In case of fire: Wear self-contained breathing apparatus. Wear chemical resistant suit.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Remove all sources of ignition. Remove persons to safety. Wear personal protection equipment. Special danger of slipping by leaking/spilling product. See protective measures under point 7 and 8. See protective measures under point 7 and 8.

6.2. Environmental precautions
Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up
Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections
Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Advices on safe handling
Keep container tightly closed. When using do not eat, drink, smoke, sniff. Use only in well-ventilated areas. All work processes must always be designed so that the following is as low as possible: Inhalation Avoid contact with skin, eyes and clothes.

Precautions against fire and explosion:
Always close containers tightly after the removal of product. Use only in well-ventilated areas.

7.2. Conditions for safe storage, including any incompatibilities
Requirements for storage rooms and vessels
Keep container tightly closed and store in a cool, well-ventilated place. Protect against: UV radiation/sunlight. Only use the material in places where open light, fire and other flammable sources can be kept away.

Hints on joint storage
Do not store together with: Oxidizing agent. Organic peroxides. Keep away from food, drink and animal feedingstuffs.

7.3. Specific end use(s)
Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

occupational exposure limit value

Substance:	CAS-No.:		Source:	Occupational exposure limit value:[ppm]	Occupational exposure limit value:[mg/m³]	Limitation of exposure peaks:	Remark:

Substance with a common (EC) occupational exposure limit value.

Substance:	CAS-No.:		Source:	Occupational exposure limit value:[ppm]	Occupational exposure limit value:[mg/m³]	Limitation of exposure peaks:	Remark:

DNEL-/PNEC-values
DNEL value

Substance:	CAS-No.:	DNEL/DMEL
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	worker inhalative long-term, systemic 0,822 mg/m³ worker dermal long-term, systemic 0,233 mg/kg bw/day population inhalative long-term, systemic 0,145 mg/m³ population dermal long-term, systemic 0,0833 mg/kg bw/day population oral long-term, systemic 0,0833 mg/kg bw/day
7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate	72869-86-4	worker inhalative long-term, systemic 3,3 mg/m³ worker dermal long-term, systemic 1,3 mg/kg bw/day population inhalative long-term, systemic 0,6 mg/m³ population dermal long-term, systemic 0,7 mg/kg bw/day population oral long-term, systemic 0,3 mg/kg bw/day
Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	162881-26-7	worker inhalative long-term, systemic 21 mg/m³ worker dermal long-term, systemic 3 mg/kg bw/day population inhalative long-term, systemic 5,2 mg/m³ population dermal long-term, systemic 1,5 mg/kg bw/day population oral long-term, systemic 1,5 mg/kg bw/day
Esterification products of 4,4'-isopropylidenediphenol, ethoxylated and 2-methylprop-2-enoic acid		worker inhalative long-term, systemic 98,7 mg/m³ worker dermal long-term, systemic 140 mg/kg bw/day population inhalative long-term, systemic 17,4 mg/m³ population dermal long-term, systemic 50 mg/kg bw/day population oral long-term, systemic 5 mg/kg bw/day

PNEC Value

Substance:	CAS-No.:	PNEC
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	aquatic, freshwater 1,4 µg/l aquatic, marine water 0,14 µg/l sediment, freshwater 115 µg/kg dw sediment, marine water 11,5 µg/kg dw soil 22,2 µg/kg dw
2-Propenoic acid, reaction products with pentaerythritol	1245638-61-2	aquatic, freshwater 3,2 µg/l sewage treatment plant 10000 µg/l sediment, freshwater 1730 µg/kg dw sediment, marine water 173 µg/kg dw intermittent release, freshwater 32 µg/l soil 340 µg/kg dw
7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate	72869-86-4	aquatic, freshwater 0,01 µg/l aquatic, marine water 0,001 µg/l sewage treatment plant 3,61 µg/l sediment, freshwater 4,56 µg/kg dw sediment, marine water 0,46 µg/kg dw soil 0,91 mg/kg dw
Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	162881-26-7	aquatic, freshwater 1 µg/l aquatic, marine water 1 µg/l sewage treatment plant 1 mg/l sediment, freshwater 0,712 mg/kg dw sediment, marine water 0,712 mg/kg dw soil 20 mg/kg dw

Additional information
Occupational exposure limit values: No data available, To follow: Toxicological information

8.2. Exposure controls
Occupational exposure controls:
Provide adequate ventilation as well as local exhaustion at critical locations. Technical measures and the application of suitable work processes have priority over personal protection equipment.

General protection and hygiene measures:
When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Apply skin care products after work. Wash contaminated clothing prior to re-use. Wear suitable protective clothing, gloves and eye/face protection.

Personal protection equipment
Wear protective gloves/protective clothing and eye/face protection. Only wear fitting, comfortable and clean protective clothing.

Respiratory protection
In case of inadequate ventilation wear respiratory protection. Wear breathing apparatus if exposed to vapours/dusts/aerosols. Suitable respiratory protection apparatus: Combination filter device (DIN EN 141). With correct and proper use, and under normal conditions, breathing protection is not required.

Hand protection
Tested protective gloves are to be worn: DIN-/EN-Norms: EN ISO 374 Suitable material: Butyl caoutchouc (butyl rubber), NBR (Nitrile rubber).

Eye/face protection
Eye glasses with side protection

Body protection:
Personal protection equipment. lab coat. Only wear fitting, comfortable and clean protective clothing. Barrier creams are not substitutes for body protection.

Environmental exposure controls
refer to chapter 7. No further action is necessary.

Consumer exposure controls
refer to chapter 7. No further action is necessary.

Exposure Scenario:
Skin contact Inhalation

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state:	Liquid
Colour:	According to the product specification
Odour:	characteristic
Odour threshold:	-

Safety relevant basis data

	parameter	Value	unit	Remark
Melting point/freezing point:				not determined
Initial boiling point and boiling range:				not determined
Flammability:				not determined
lower flammability or explosive limits:				not determined
Upper flammability or explosive limits:				not determined
Flash point:	closed crucible	113	°C	@ 1013 hPa
Ignition temperature:				not determined
Decomposition temperature:				not determined
pH:		6~8		Based on data of the components
Kinematic viscosity:		750	mPa*s	23 °C, 10/s
Water solubility (g/L):				not determined
Partition coefficient: n-octanol/water:	Log KOW	5,30-5,62		Based on data of the components
Vapour pressure:				not determined
Density:		1,1	g/cm³	
Relative density:				not determined
Particle properties:				not determined

9.2. Other information

Self-accelerating polymerization temperature (SAPT) : not determined

SECTION 10: Stability and reactivity

10.1. Reactivity
Can polymerise exothermically if heated, exposed to air, sunlight or by addition or free radical initiators.

10.2. Chemical stability
The substance is chemically stable under recommended conditions of storage, use and temperature. Self-accelerating polymerization temperature (SAPT): Carriage in accordance with 2.2.41.1.21, not applicable

10.3. Possibility of hazardous reactions
Polymerization.

10.4. Conditions to avoid
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. UV-radiation/sunlight. Do not expose to temperatures exceeding 60 °C/140 °F.

10.5. Incompatible materials
Polymerization with heat evolution may occur in the presence of radical forming substances (e.g. peroxides), reducing substances, and/or heavy metal ions. Can polymerise exothermically if heated, exposed to air, sunlight or by addition or free radical initiators.

10.6. Hazardous decomposition products
In case of fire may be liberated: Carbon dioxide (CO2). Carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
There are no data available on the preparation/mixture itself. Data apply to the component with the highest toxicological risk.

M-factor: -
Acute toxicity (oral): > 2000 mg/kg
Acute toxicity (dermal): > 2000 mg/kg
Acute toxicity (inhalative): -

Acute toxicity

Substance:	CAS-No.:	Toxicological information
Esterification products of 4,4'-isopropylidenediphenol, ethoxylated and 2-methylprop-2-enoic acid		LD50 oral (rat) > 2000 mg/kg LD50 dermal (rat) > 2000 mg/kg NOAEL Repr.-Tox. (Rat) 1000 mg/kg bw/Tag NOAEL STOT-RE (rat) 300 mg/kg/d
Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	162881-26-7	LD50 oral (rat) > 2000 mg/kg LD50 dermal (rat) > 2000 mg/kg NOAEL (rat) 300 mg/kg bw/Tag NOAEL Repr.-Tox. (Rat) 1000 mg/kg bw/Tag
7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate	72869-86-4	LD50 oral (rat) > 5000 mg/kg LD50 dermal (rat) > 2000 mg/kg NOAEL Repr.-Tox. (Rat) 1000 mg/kg/d NOAEL STOT-RE (rat) 100 mg/kg/d
2-Propenoic acid, reaction products with pentaerythritol	1245638-61-2	LD50 oral (rat) 540 mg/kg LD50 dermal (rabbit) > 2000 mg/kg NOAEL Canc. 1,5 mg/kg bw NOAEL Repr.-Tox. (Rat) 200 mg/kg bw/Tag NOAEL STOT-RE (rat) 25 mg/kg/d
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	LC50 inhalation (Rat) 2000 mg/ kg bw LD50 oral (rat) > 5000 mg/kg bw LD50 dermal (rat) > 2000 mg/kg bw NOAEL (rat) 50 mg/kg bw/Tag NOAEL Repr.-Tox. (Rat) 60 mg/kg bw/Tag

Skin corrosion/irritation:
Frequently or prolonged contact with skin may cause dermal irritation. May cause an allergic skin reaction.

Serious eye damage/irritation:

irritant.

Respiratory or skin sensitisation:
May cause sensitization by skin contact. May cause sensitisation especially in sensitive humans. May cause sensitisation especially in sensitive humans. (based on the components)

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
Carcinogenicity:
There are no data available on the preparation/mixture itself. Based on available data, the classification criteria are not met. (based on the components)
Germ cell mutagenicity:
No experimental indications of genotoxicity in-vitro exist. No experimental indications of mutagenicity in-vitro exist. (based on the components)
Reproductive toxicity:
Evidence for reproductive toxicity in experimental animals. CAS-No.: 75980-60-8, Repr. 1B

STOT-single exposure:
Based on available data, the classification criteria are not met. (based on the components)

STOT-repeated exposure:
CAS-No.: 75980-60-8, 72869-86-4 NOAEL: 60-300 mg/kg bw/day

Aspiration hazard:
May cause respiratory irritation.

SECTION 12: Ecological information

12.1. Toxicity
There are no data available on the mixture itself.

Ecotoxicity

Substance:	CAS-No.:	Ecotoxicity
Esterification products of 4,4'-isopropylidenediphenol, ethoxylated and 2-methylprop-2-enoic acid		LC50 (fish, 96 h) > 100 mg/l LC50 (crustaceans, 48h) 6 mg/l EC50 (algae, 72 h) 100 mg/l EC50 (Daphnia, 48 h) > 100 mg/L
Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	162881-26-7	LC50 (fish, 96 h) 0,09 mg/l LC50 (crustaceans, 48h) 1,175 mg/l EC50 (algae, 96 h) 0,26 mg/l
7,7,9(or 7,9,9)-trimethyl-4,13-dioxo-3,14-dioxa-5,12-diazahexadecane-1,16-diyl bismethacrylate	72869-86-4	LC50 (Daphnia) > 1,2 mg/L EC50 (algae, 72 h) > 0,68 mg/l LC50 (fish, 96 h) 10,1 mg/L NOEC (algae , 72h) 21 mg/l
2-Propenoic acid, reaction products with pentaerythritol	1245638-61-2	LC50 (fish, 96 h) 3,2 mg/l LC50 (crustaceans, 48h) 13 mg/l EC50 (algae, 96 h) 33 mg/l LC50 (fish, 96 h) 3,2 mg/L EC50 Daphnia (Daphnia magna) 48 h 13 mg/l NOEC (algae , 72h) 0,31 mg/l EC50 (microorganisms, 3h) 0,1 g/L
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	EC50 (Daphnia, 48 h) 3,53 mg/L EC50 (algae, 72 h) > 2,01 mg/L EC50 (microorganisms, 3h) > 1000 mg/kg

12.2. Persistence and degradability
There are no data available on the preparation/mixture itself. Not readily biodegradable (according to OECD criteria) (based on the components)

12.3. Bioaccumulative potential
There are no data available on the mixture itself. Data apply to the main component. Log KOW: 5.30~5.62

12.4. Mobility in soil
There are no data available on the mixture itself. Data apply to the main component. log Koc: 3.69~3.88

12.5. Results of PBT and vPvB assessment

There are no data available on the mixture itself. The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII. (based on the components)

12.6 Endocrine disruptive effect

The substance/mixture contains no components ≥ 0.1% classified as endocrine disruptors under REACH Art. 57(f), or Reg. (EU) 2017/2100 or 2018/605.

12.7. Other adverse effects

There are no data available on the mixture itself.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal/Product:

Dispose of waste according to applicable legislation. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Liquid, uncured resin: 08 01 11, 08 04 09;

Cured resin residues: 07 02 13, 20 01 39;

Cleaning waste: 14 06 03 (Isopropanol, CL-1); aqueous washing liquids 16 10 01.

Appropriate disposal / Package

Non-contaminated packages may be recycled.

Metal container: 15 01 04;

Plastic packaging: 15 01 02;

Special rules on packaging: 15 01 10 - Packaging that contains residues of hazardous substances or is contaminated by hazardous substances.

List of proposed waste codes / waste designations according to EWC / AVV

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

SECTION 14: Transport information

14.1. UN number

UN No.: -

14.2. UN proper shipping name

Land transport (ADR/RID)

-

-

Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)

-

-

14.3. Transport hazard class(es)

Hazard label(s) / Label: -

Classification code: / Classification Code: -

14.4. Packing group

Packing group/ Packing Group: -

14.5. Environmental hazards

	Yes	No
ADR/RID / IMDG / ICAO-TI / IATA-DGR:	☐	☒
Marine pollutant:	☐	☒

14.6. Special precautions for user

Land transport (ADR/RID)

transport category: - **tunnel restriction code:** -

Special provisions: - **Limited quantity (LQ):** -

Sea transport (IMDG)

EmS-No: -

Special provisions: - **Limited quantity (LQ):** -

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remark No bulk transport by sea is intended.

SECTION 15: Regulatory information

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

EU legislation

Information on Regulation (EC) No 166/2006 establishing a European Pollutant Release and Transfer Register:
Substance / mixture / product / ingredients not listed

Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer:
not applicable , Substance / mixture / product / ingredients not listed

Regulation (EC) No. 648/2004 (Detergents regulation)
not applicable

Regulation (EC) No 850/2004 [POP-Regulation]:
REGULATION (EU) 2019/102: Substance / mixture / product / ingredients not listed

Regulation (EU) No 649/2012 on the export and import of dangerous chemicals:
Substance / mixture / product / ingredients not listed

Use restriction according to REACH annex XVII, no.::
Use restriction according to REACH annex XVII, no.: 75 CAS No. 75980-60-8 Not relevant

National regulations
Observe in addition any national regulations!

Restrictions of occupation
Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Other regulations, restrictions and prohibition regulations
This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: CAS No. 75980-60-8; Annex XVII, entry 75 CAS No. 75980-60-8 Not applicable; CA Proposition 65: Substance(s) not listed. RoHS Directive 2011/65/EU : not relevant

15.2. Chemical Safety Assessment

For this preparation a chemical safety assessment has been carried out. -
For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Relevant H- and EUH-phrases (Number and full text):
Hazard statements

H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H360Fd	May damage fertility. Suspected of damaging the unborn child.

Training advice
Observe instructions for use.

Recommended restrictions of use:
Reserved for industrial and professional use. According to directive 94/33/EC, juveniles are only allowed to handle this product as long as all effects of dangerous substances are prevented. Do not use for private purposes (household). refer to chapter 1. refer to chapter 1.

Further remarks:
The information provided in this Safety Data Sheet is based on our current knowledge at the time of publication. It is intended to offer guidance for the safe handling of the product mentioned herein during storage, processing, transport, and disposal. These details are not transferable to other products. If the product is blended, mixed, or processed with other materials, or subjected to any treatment, the information in this Safety Data Sheet may not apply to the resulting new material, unless explicitly stated otherwise.

Documentation of changes:
Changes compared to version 7.1:

2 Classification of the mixture adjusted in accordance with 3.2.
3.2 Classification of substances adjusted.
10.2 Adjusted.
13 Waste code added.
15 WKG adjusted in accordance with 2.

Changes compared to version 6.3:

1.1 UFI code changed.
2.1 Revised in accordance with 3.2.
2.2 Revised in accordance with 3.2.
3.2 Composition further broken down.
8.1 Revised in accordance with 3.2.
11.1 Revised in accordance with 3.2.
12.1 Revised in accordance with 3.2.
15.1 WGK corrected.

Key literature references and sources for data
Information comes from reference works, the literature or safety data sheets of the components.

Abbreviations and acronyms

AC: Article category
ACGIH: American Conference of Governmental Industrial Hygienists
ADN: European agreement concerning the international carriage of dangerous goods by inland waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
ADR: European agreement concerning the international carriage of dangerous goods by road (Accord européen relatif au transport international des marchandises dangereuses par route)
AGW: Occupational exposure limit
AOX: Adsorbable organically bound halogens
Bw/KG: Body weight
CAS: Chemical Abstracts Service
CMR: Substances classified as carcinogenic, mutagenic or toxic for reproduction
CSR: Chemical safety report
DIN: German Institute for Standardization (Deutsches Institut für Normung)
DNEL: Derived no-effect level
DPD: Dangerous Preparations Directive (Richtlinie 1999/45/EC)
DSD: Dangerous Substances Directive (Richtlinie 67/548/EWG)
DU: Downstream user
EC50: Effective concentration 50%
ECHA: European Chemicals Agency
EN: European standard
EWC/EWL: European Waste Catalogue
GHS: Globally harmonized system of classification and labelling of chemicals
IATA: International Air Transport Association
IBC: Intermediate bulk container
ICAO: International Civil Aviation Organization
IMDG Code: International Maritime Dangerous Goods Code
IMO: International Maritime Organization
ISO: International Organization for Standardization
LC50: Lethal concentration 50%
LD50: Lethal dose 50%
LEV: Local exhaust ventilation
LOAEL: Lowest observed adverse effect level
LOEL: Lowest observed effect level
MAK: Maximum workplace concentration (Maximale Arbeitsplatzkonzentration – DFG)
n.a.: Not applicable
n.b.: Not determined
NOAEC: No observed adverse effect concentration
NOAEL: No observed adverse effect level
NOEC: No observed effect concentration
OEL: Occupational exposure limit
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
POP: Persistent organic pollutant
PPE/PSA: Personal protective equipment
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID: Regulations concerning the international carriage of dangerous goods by rail (Règlement international concernant le transport des marchandises dangereuses par chemin de fer)
STEL: Short-term exposure limit
SVHC: Substance of very high concern
TLV: Threshold limit value
UN: United Nations
VOC: Volatile organic compounds
vPvB: Very persistent and very bioaccumulative
dw: Dry weight