

Safety Data Sheet

High Clear V1 Resin

Safety data sheet according to Regulation (EU) 2020/878 as amended from time to time

Date / Revised: 05.02.2025

Version: 2.1

Date previous version: 16.01.2025

Version: 2.0

Date / First version: 24.04.2024

Version: 1.0

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

1.1. Product identifier

| | |
|--------------|-----------------------------|
| Product Form | Mixture |
| Product Name | Raise3D High Clear V1 Resin |
| UFI Nummer | 4HMG-G99V-RTKR-0VYA |

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

1.2.1. Relevant identified uses

Use of the substance/mixture Raise3D DLP 3D printers

1.2.2. Uses advised against

Restrictions on use No information available

1.3. Details of the supplier of the safety data sheet

Supplier

Raise 3D Technologies, Inc.
43 Tesla, Irvine, CA 92618
T +1 888 963 9028
sds@raise3d.com

Importer

Raise3D B.V.
Tenorweg 6, Sliedrecht
3363 LN
The Netherlands
enquiry@raise3d.eu

1.4. Emergency number

Emergency number +49 (0) 761-270 19234

SECTION 2. Hazards Identification

2.1. Hazardous substances and mixtures

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

| | |
|---|--|
| Skin corrosion/irritation | Category 2 |
| Skin sensitization | Category 1 |
| Hazardous to the aquatic environment – Chronic Hazard | Category 2 |
| Serious eye damage/eye irritation | Category 2 |
| Specific target organ toxicity – Single exposure | Category 3, Respiratory tract irritation |
| Reproductive toxicity (fertility) | Category 2 |

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

Adverse physicochemical, human health and environmental effects

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation. Suspected of damaging fertility or the unborn child. Toxic to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms (CLP)

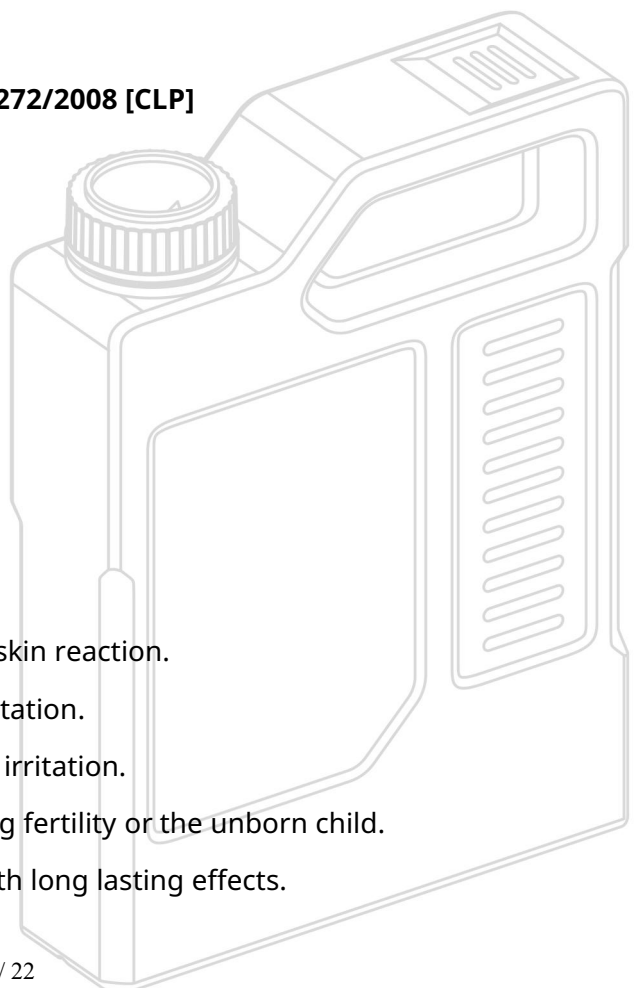


2.3. Signal word (CLP)

Warning

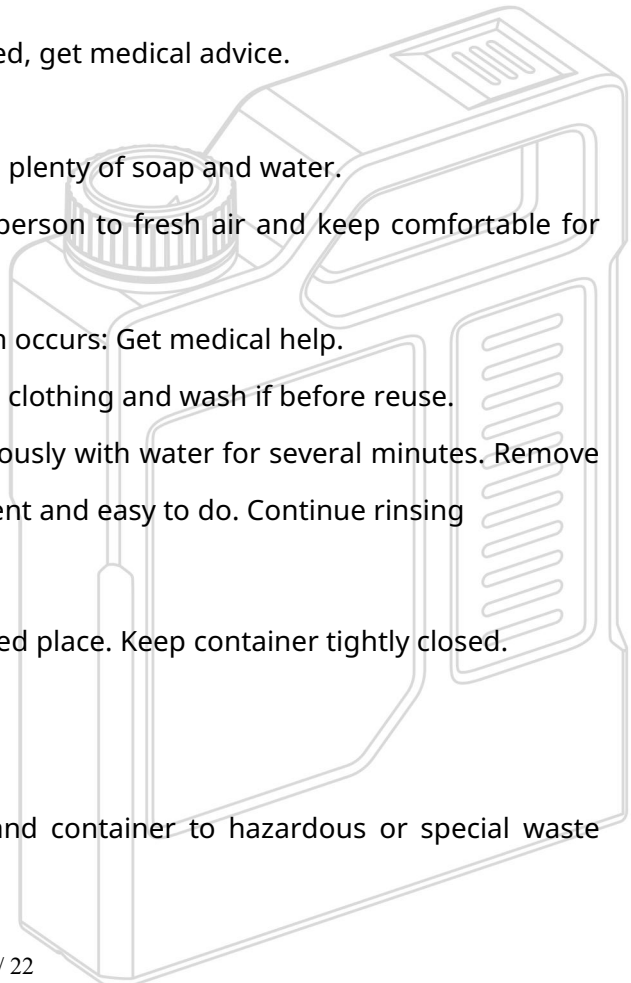
2.4. Hazard statements (CLP)

| | |
|------|--|
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |
| H361 | Suspected of damaging fertility or the unborn child. |
| H411 | Toxic to aquatic life with long lasting effects. |



Precautionary statements (CLP)

| | |
|--------------------|---|
| P203 | Obtain, read and follow all safety instructions before use. |
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray. |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P263 | Avoid contact during pregnancy and while nursing. |
| P264 | Wash hand thoroughly after handling. |
| P265 | Do not touch eyes. |
| P270 | Do not eat, drink or smoke when using this product. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P272 | Contaminated work clothing should not be allowed out of workplace. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves and eye protection or face protection. |
| P264 + P265 | Wash hands thoroughly after handling. Do not touch eyes. |
| P318 | If exposed or concerned, get medical advice. |
| P391 | Collect spillage. |
| P302 + P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P304 + P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P333 + P317 | If skin irritation or rash occurs: Get medical help. |
| P362 + P364 | Take off contaminated clothing and wash if before reuse. |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing |
| P403 + P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P405 | Store locked up. |
| P501 | Dispose of contents and container to hazardous or special waste collection point. |



EUH-statements None.

2.5. Other hazards

Other hazards which do not result in classification : No information available.

Contains no PBT and/or vPvB substances \geq 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|-------------------|--|------------------|---|
| Epoxy resin | CAS-No.: 55818-57-0 EC-No.: 500-130-2 | \geq 43 - < 47 | Skin Sens. 1B, H317 Aquatic Chronic 2, H411 |
| Isodecyl acrylate | CAS-No.: 1330-61-6 EC-No: 215-542-5 | \geq 26 - < 30 | Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319 STOT SE 3, H335 |

| | | | |
|---|---|------------------|---|
| | | | Aquatic Chronic 2, H411 |
| (5-Ethyl-1,3-dioxan-5-yl)methylacrylat | CAS-No.: 66492-51-1 EC-No.: 266-380-7 | $\geq 18 - < 22$ | Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 2, H411 |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide | CAS-No.: 75980-60-8 EC-No.: 178-355-8 | 5 | Skin Sens. 1B, H317 Repr. 2 (fertility), H361 Repr. 2 (unborn child), H361 Aquatic Chronic 2, H411 |

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general

Call a poison center or a doctor if you feel unwell.

First-aid measures after inhalation

Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.

First-aid measures after skin contact

Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion

Call a poison center or a doctor if you feel unwell.

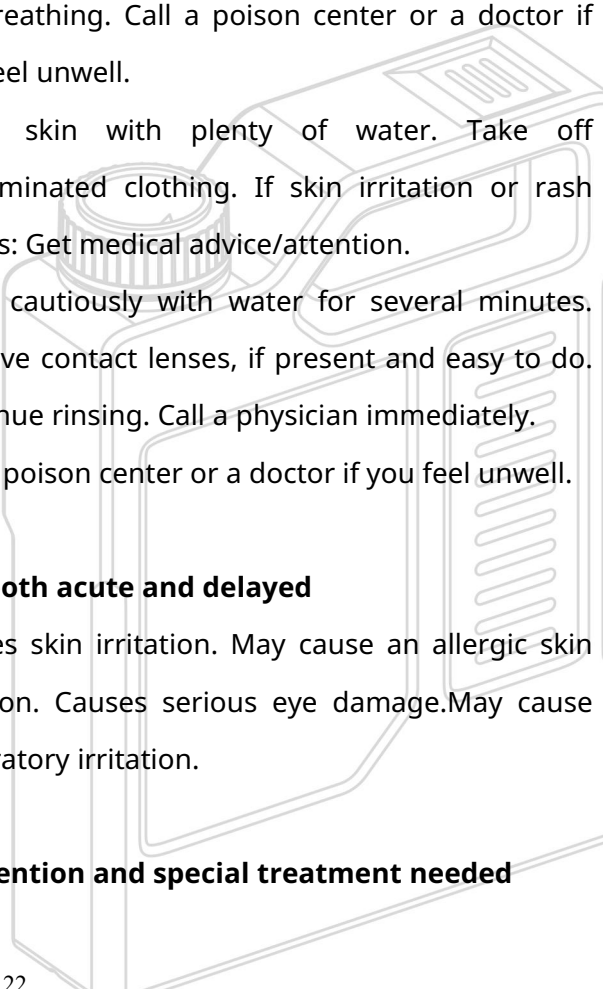
4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation.

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

Treat symptomatically.



SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--------------------------------|--|
| Suitable extinguishing media | Water spray. Dry powder. Foam. Carbon dioxide. |
| Unsuitable extinguishing media | Do not use a heavy water stream. |

5.2. Special hazards arising from the substance or mixture

| | |
|--|------------------------------|
| Fire hazard | No fire hazard. |
| Explosion hazard | No direct explosion hazard. |
| Hazardous decomposition products in case of fire | Toxic fumes may be released. |

5.3. Advice for firefighters

| | |
|--------------------------------|--|
| Firefighting instructions | Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. Avoid all unnecessary exposure. Avoid inhalation of vapours. Wear personal protective equipment. |
| Protection during firefighting | Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

| | |
|----------------------|--|
| Protective equipment | Wear recommended personal protective equipment. |
| Emergency procedures | Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact |

with skin and eyes.

6.1.2. For emergency responders

Protective equipment

Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures

Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment

Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.

Methods for cleaning up

Take up liquid spill into absorbent material.

Other information

Dispose of materials or solid residues at an authorized site.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Wear personal protective equipment.

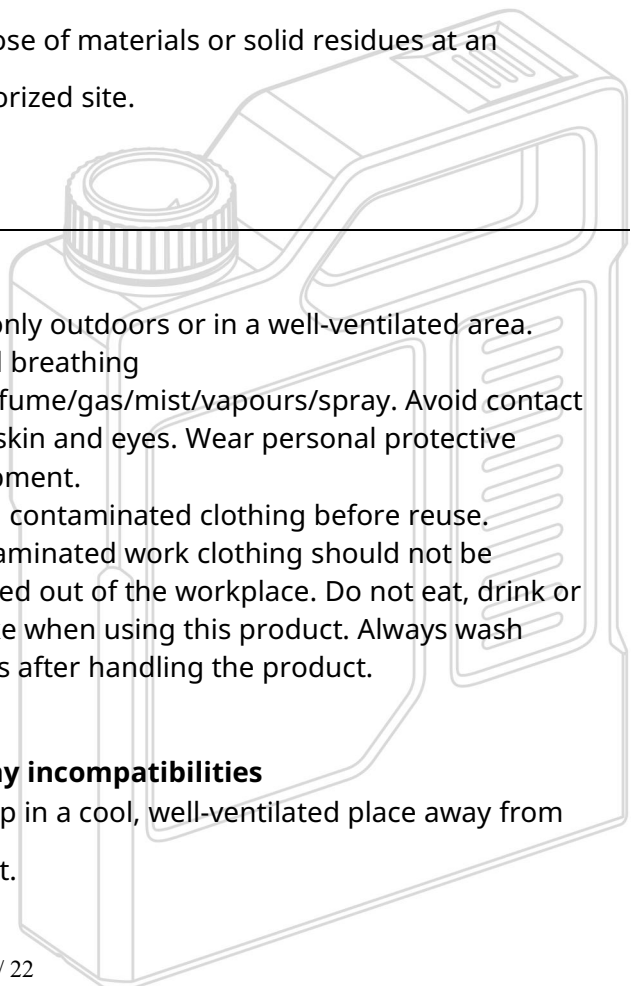
Hygiene measures

Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures

Keep in a cool, well-ventilated place away from heat.



Storage conditions

Store locked up. Store in a well-ventilated place.
Keep container tightly closed. Avoid high temperatures.

Incompatible materials

No information available.

Packaging materials

Store always product in container of same material as original container.

7.3. Specific end use(s)

SDS section 1.2.1 - Additional text

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

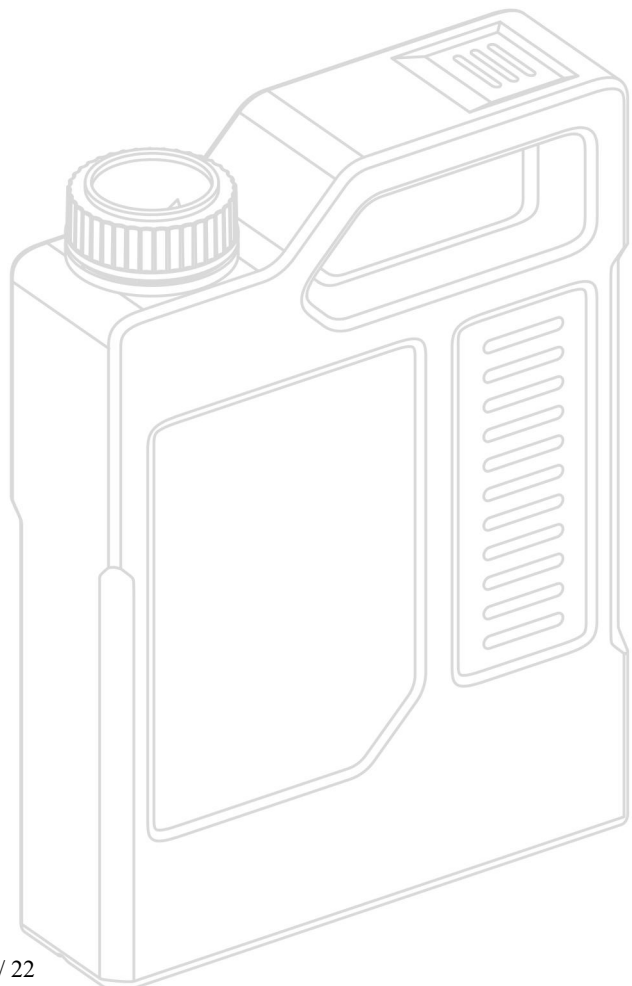
Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:

Safety glasses



8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

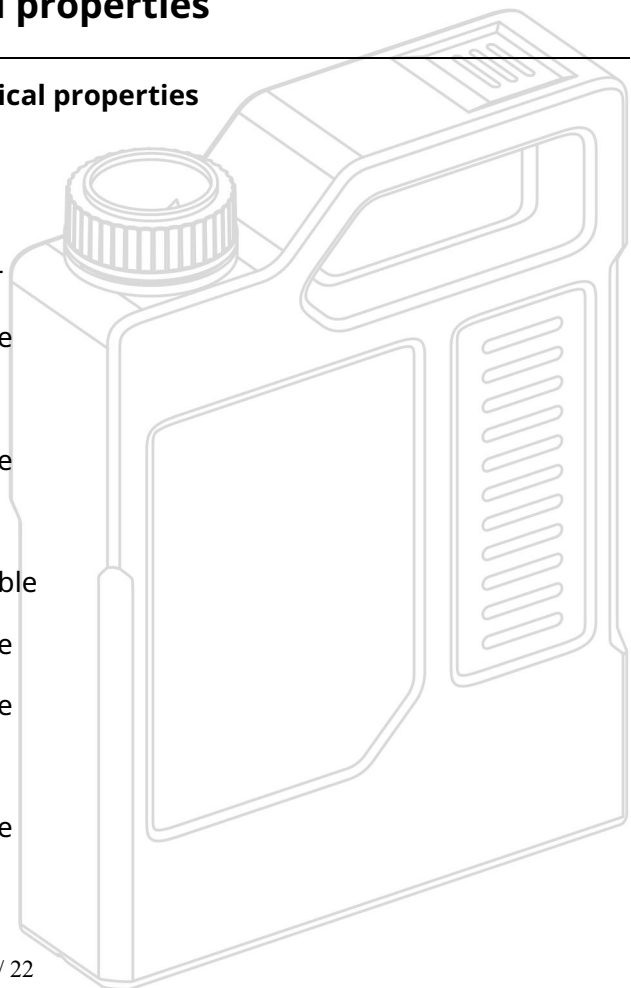
Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---------------------------|---------------|
| Physical state | Liquid |
| Colour | Clear |
| Odour | Slight odour |
| Odour threshold | Not available |
| Melting point | -60 °C |
| Freezing point | Not available |
| Boiling point | 140 °C |
| Flammability | Not flammable |
| Lower explosion limit | Not available |
| Upper explosion limit | Not available |
| Flash point | > 250 °C |
| Auto-ignition temperature | Not available |
| Decomposition temperature | > 250 °C |



| | |
|--|--|
| pH | 6,8 – 7,2 |
| Viscosity, kinematic | Not available |
| Viscosity, dynamic | 250 – 350 mPa·s @ 25 °C |
| Solubility | Slightly soluble in water. Soluble in benzene, alcohol, ethers. Soluble in other organic solvents. |
| Partition coefficient n-octanol/water (Log Kow) | Not available |
| Vapour pressure | < 0,01 mm Hg |
| Vapour pressure at 50°C | Not available |
| Density | 1,05 g/cm ³ @ 25 °C |
| Relative density | Not available |
| Relative vapour density at 20°C | Not available |
| Particle characteristics | Not applicable |
| Self-igniting | > 450 °C |
| Vapour density | > 1 g/m ³ |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

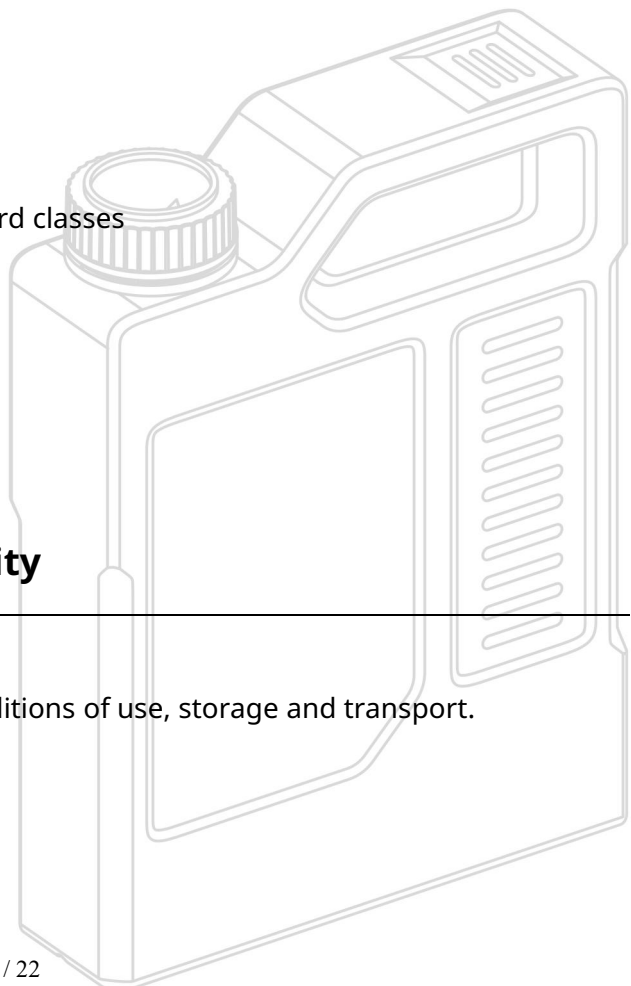
SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.



10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological Information

11.1. Acute toxicity

Based on available data, the classification criteria are not met, yet still harm in ingesting small amounts.

11.2. Skin irritation:

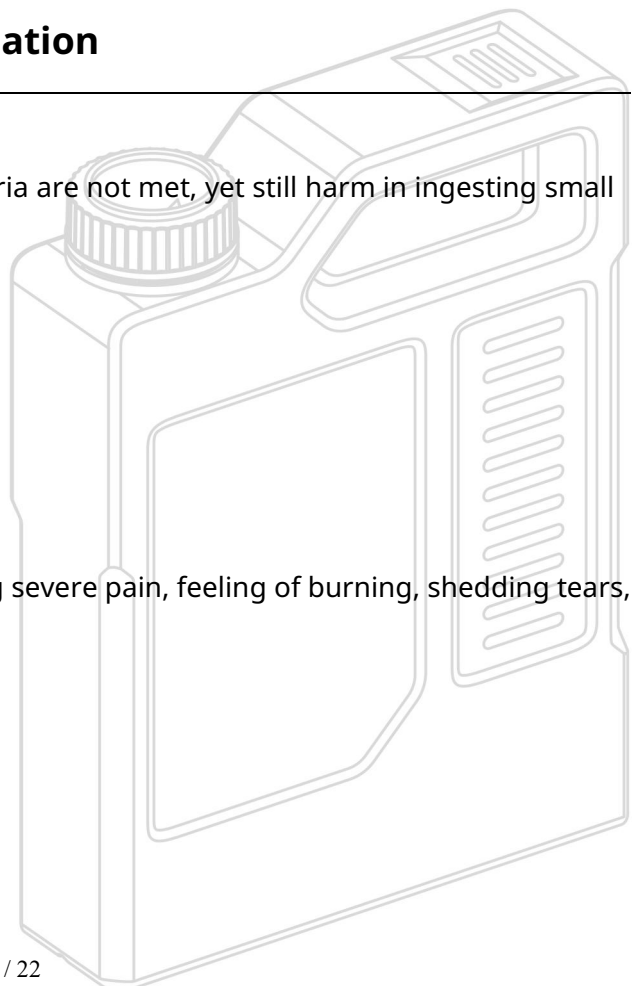
Skin contact causes irritation.

11.3. Eye irritation:

Eye contact causes serious irritation, including severe pain, feeling of burning, shedding tears, or swelling.

11.4. Respiratory/Skin sensitization:

Sensitization after skin contact possible.



11.5. Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

11.6. Carcinogenicity:

Based on available data, the classification criteria are not met.

11.7. Reproductive toxicity:

Information on: diphenyl(2,4,6- trimethylbenzoyl)phosphine oxide

Assessment of reproduction toxicity:

The results of animal studies suggest a fertility impairing effect.

11.8. Specific target organ toxicity (single exposure):

Causes temporary irritation of the respiratory tract.

Remarks: The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

11.9. Repeated dose toxicity and Specific target organ toxicity (repeated exposure):

Based on available data, the classification criteria are not met.

11.10. Aspiration hazard:

With low volatility in the normal service condition, the product are not expected to cause obvious symptoms. But it may generate gases/vapours after heating up, which results in respiratory irritation, including cough, secreting mucus, polypnea.

11.11. Information on other hazards**11.11.1. Endocrine disrupting properties**

Adverse health effects caused by endocrine disrupting properties

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

at a concentration equal to or greater than 0,1 %

11.11.2. Other information

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Assessment of aquatic toxicity:

Acutely toxic for aquatic organisms. May cause long-term adverse effects in the aquatic environment. The product has not been tested. The statement has been derived from the properties of the individual components.

Isodecyl acrylate (1330-61-6)

Assessment of aquatic toxicity

Acutely toxic for aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

(5-ethyl-1,3-dioxan-5-yl)methyl acrylate (66492-51-1)

Assessment of aquatic toxicity

Acutely toxic for aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide (75980-60-8)

Assessment of aquatic toxicity

Acutely toxic for aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

12.2. Persistence and degradability

Raise3D High Clear V1 Resin

Persistence and degradability Not readily biodegradable

Epoxy resin (55818-57-0)

Persistence and degradability Rapidly degradable

Isodecyl acrylate (1330-61-6)

Persistence and degradability Rapidly degradable

(5-Ethyl-1,3-dioxan-5-yl)methylacrylat (66492-51-1)

Persistence and degradability Rapidly degradable

Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide (75980-60-8)

Persistence and degradability Not readily biodegradable.

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

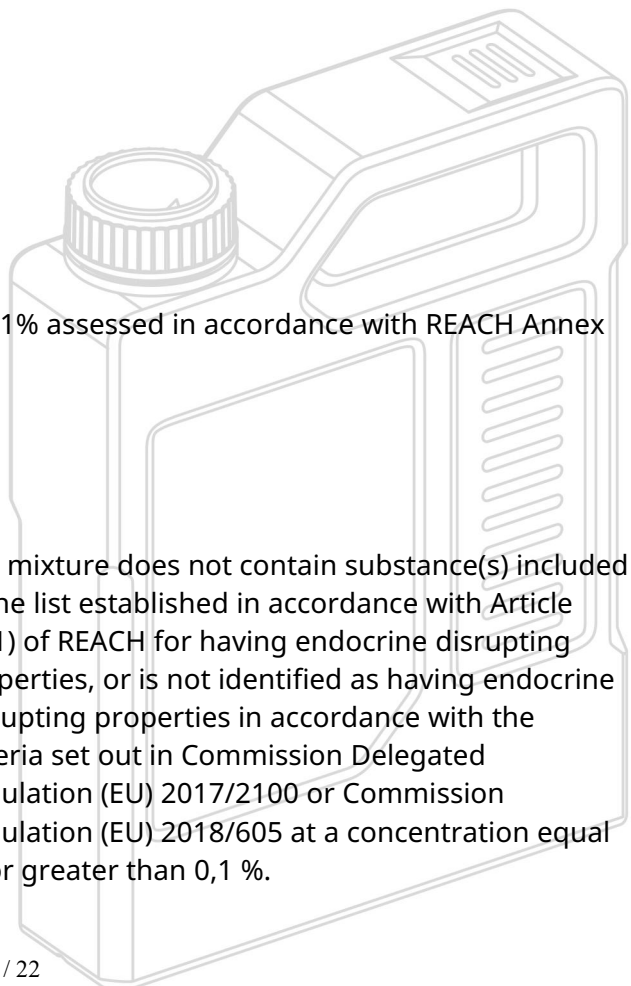
12.5. Results of PBT and vPvB assessment

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.



12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

| | |
|--|---|
| Waste treatment methods | Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Sewage disposal recommendations | Disposal must be done according to official regulations. |
| Product/Packaging disposal recommendations | Dispose in a safe manner in accordance with local/national regulations. |

SECTION 14: Transport information**In accordance with ADR / IMDG / IATA / ADN / RID**

| ADR | IMDG | IATA | ADN | RID |
|---|--|---|---|---|
| 14.1. UN-Nummer or ID-Nummer | | | | |
| UN 3082 | UN 3082 | UN 3082 | UN 3082 | UN 3082 |
| 14.2. UN proper shipping name | | | | |
| ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((5-ethyl-1,3-dioxan-5-yl)methyl acrylate ; Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((5-ethyl-1,3-dioxan-5-yl)methyl acrylate; Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide) | Environmentally hazardous substance, liquid, N.O.S. ((5-ethyl-1,3-dioxan-5-yl)methyl acrylate ; Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((5-ethyl-1,3-dioxan-5-yl)methyl acrylate ; Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((5-ethyl-1,3-dioxan-5-yl)methyl acrylate ; Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide) |
| Transport document description | | | | |
| UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((5-ethyl-1,3-dioxan- | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((5-ethyl-1,3-dioxan- | UN 3082 Environmentally hazardous substance, liquid, N.O.S. ((5-ethyl-1,3-dioxan-5 | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |

The safety data sheet according to Regulation (EU) 2020/878 as amended from time to time.

Date / Revised: 05.02.2025

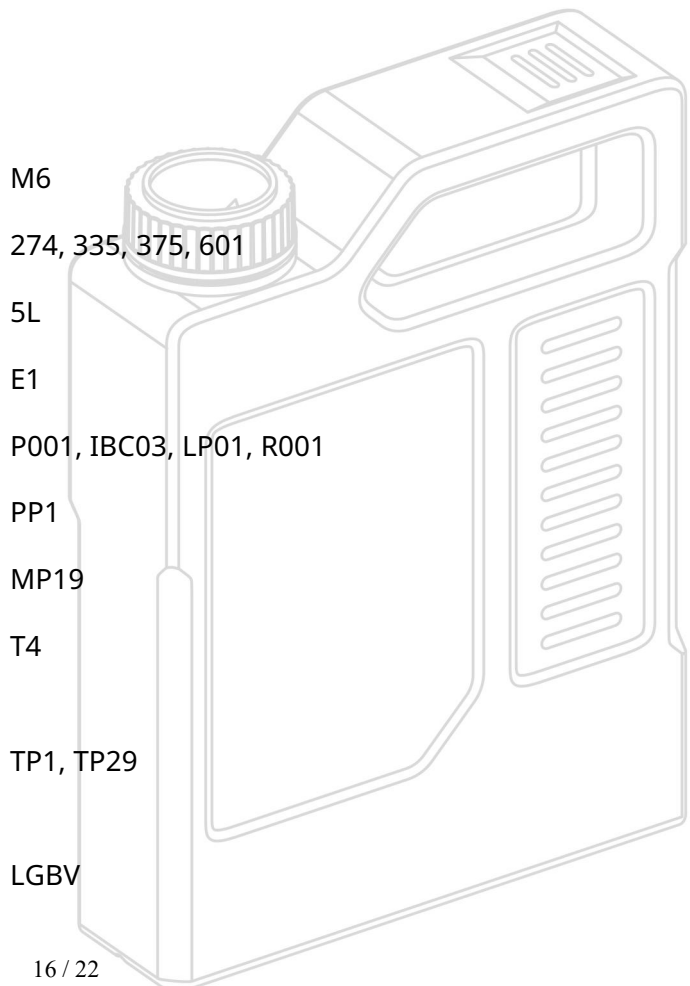
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| | | | | |
|--|---|--|--|---|
| 5-yl)methyl acrylate ; Diphenyl(2,4,6-trime thylbenzoyl)phosphi ne oxide), 9, III, (- | 5-yl)methyl acrylate ; Diphenyl(2,4,6-trime thylbenzoyl)phosphi ne oxide), 9, III, MARINE POLLUTANT | -yl)methyl acrylate; Diphenyl(2,4,6-trimet hylbenzoyl)phosphin e oxide), 9, III | ((5-ethyl-1,3-dioxan-5- yl)methyl acrylate ; Diphenyl(2,4,6-trimet hylbenzoyl)phosphine oxide), 9, III | ((5-ethyl-1,3-dioxan5- yl)methyl acrylate ; Diphenyl(2,4,6-trimet hylbenzoyl)phosphine oxide), 9, III |
| 14.3. Transport hazard class(es) | | | | |
| 9 | 9 | 9 | 9 | 9 |
| | | | | |
| 14.4. Packing group | | | | |
| III | III | III | III | III |
| 14.5. Environmental hazards | | | | |
| Dangerous for the environment: Yes | Dangerous for the environment: Yes Marine pollutant: Yes | Dangerous for the environment: Yes | Dangerous for the environment: Yes | Dangerous for the environment: Yes |
| No supplementary information available | | | | |

14.6. Special precautions for user

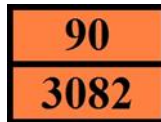
Overland transport

Classification code (ADR) M6
 Special provisions (ADR) 274, 335, 375, 601
 Limited quantities (ADR) 5L
 Excepted quantities (ADR) E1
 Packing instructions (ADR) P001, IBC03, LP01, R001
 Special packing provisions (ADR) PP1
 Mixed packing provisions (ADR) MP19
 Portable tank and bulk container instructions (ADR) T4
 Portable tank and bulk container special provisions (ADR) TP1, TP29
 Tank code (ADR) LGBV



| | |
|---|------|
| Vehicle for tank carriage | AT |
| Transport category (ADR) | 3 |
| Special provisions for carriage - Packages (ADR) | V12 |
| Special provisions for carriage - Loading, unloading and handling (ADR) | CV13 |
| Hazard identification number (Kemler No.) | 90 |

Orange plates



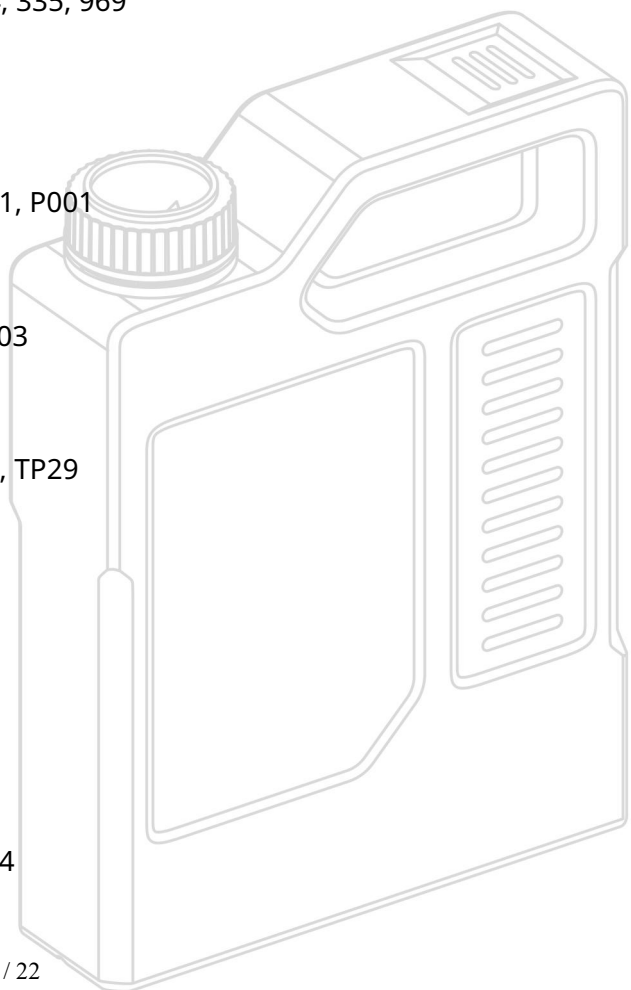
| | |
|-------------------------------|-----|
| Tunnel restriction code (ADR) | - |
| EAC-Code | •3Z |

Transport by sea

| | |
|-----------------------------------|---------------|
| Special provisions (IMDG) | 274, 335, 969 |
| Limited quantities (IMDG) | 5 L |
| Excepted quantities (IMDG) | E1 |
| Packing instructions (IMDG) | LP01, P001 |
| Special packing provisions (IMDG) | PP1 |
| IBC packing instructions (IMDG) | IBC03 |
| Tank instructions (IMDG) | T4 |
| Tank special provisions (IMDG) | TP1, TP29 |
| EmS-No. (Fire) | F-A |
| EmS-No. (Spillage) | S-F |
| Stowage category (IMDG) | A |

Air transport

| | |
|--------------------------------|------|
| PCA Excepted quantities (IATA) | E1 |
| PCA Limited quantities (IATA) | Y964 |



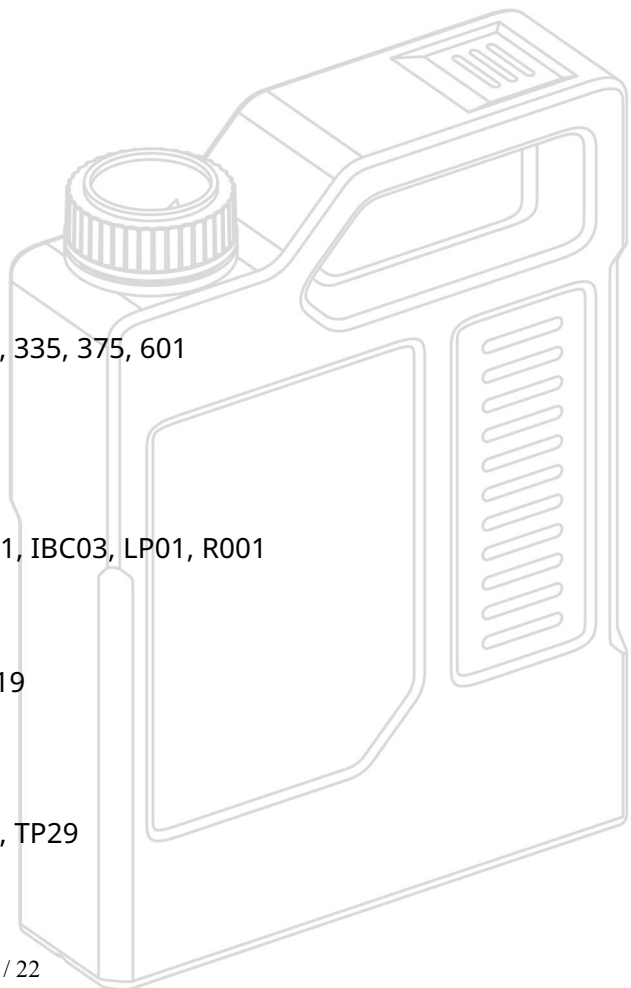
| | |
|--|-----------------------|
| PCA limited quantity max net quantity (IATA) | 30kgG |
| PCA packing instructions (IATA) | 964 |
| PCA max net quantity (IATA) | 450L |
| CAO packing instructions (IATA) | 964 |
| CAO max net quantity (IATA) | 450L |
| Special provisions (IATA) | A97, A158, A197, A215 |
| ERG-Code (IATA) | 9L |

Inland waterway transport

| | |
|-----------------------------------|--------------------|
| Classification code (ADN) | M6 |
| Special provisions (ADN) | 274, 335, 375, 601 |
| Limited quantities (ADN) | 5 L |
| Excepted quantities (ADN) | E1 |
| Carriage permitted (ADN) | T |
| Equipment required (ADN) | PP |
| Number of blue cones/lights (ADN) | 0 |

Rail transport

| | |
|---|-------------------------|
| Classification code (RID) | M6 |
| Special provisions (RID) | 274, 335, 375, 601 |
| Limited quantities (RID) | 5L |
| Excepted quantities (RID) | E1 |
| Packing instructions (RID) | P001, IBC03, LP01, R001 |
| Special packing provisions (RID) | PP1 |
| Mixed packing provisions (RID) | MP19 |
| Portable tank and bulk container instructions (RID) | T4 |
| Portable tank and bulk container special provisions (RID) | TP1, TP29 |



| | |
|--|------------|
| Tank codes for RID tanks (RID) | LGBV |
| Transport category (RID) | 3 |
| Special provisions for carriage – Packages (RID) | W12 |
| Special provisions for carriage - Loading, unloading and handling (RID) | CW13, CW31 |
| Colis express (express parcels) (RID) | CE8 |
| Hazard identification number (RID) | 90 |

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)



Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

| Abbreviations and acronyms: | |
|------------------------------------|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| BLV | Biological limit value |
| BOD | Biochemical oxygen demand (BOD) |
| COD | Chemical oxygen demand (COD) |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EG-No. | European Community number |
| EC50 | Median effective concentration |
| EN | European Standard |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Lethal concentration for 50% of a test population |
| LD50 | Lethal dose for 50% of a test population (Median lethal dose) |

| | |
|------------------------------------|--|
| LOAEL | Lowest Observed Adverse Effect Level |
| NOAEC | No-Observed Adverse Effect Concentration |
| Abbreviations and acronyms: | |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| OECD | Organisation for Economic Co-operation and Development |
| OEL | Occupational Exposure Limit |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDB | Safety Data Sheet |
| STP | Sewage treatment plant |
| ThOD | Theoretical oxygen demand (ThOD) |
| TLM | Median Tolerance Limit |
| VOC | Volatile Organic Compounds |
| CAS-No. | Chemical Abstract Service - Number |
| N.A.G. | Not Otherwise Specified |
| vPvB | Very Persistent and Very Bioaccumulative |
| ED | Endocrine disrupting properties |

Data sources LOLI. ECHA reference.

Training advice Normal use of this product shall imply use in accordance with the instructions on the packaging.

Other information No information available.

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| Full text of H- and EUH-statements: | |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |
| H361 | Suspected of damaging fertility or the unborn child. |
| H411 | Toxic to aquatic life with long lasting effects. |

Any other intended applications should be discussed with the manufacturer.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. However, we do not have any express or implied warranties regarding the data provided. The handling, storage, use or disposal of this product is may be beyond our control and knowledge. Under no circumstances will we be liable for loss, damage or related costs arising from improper handling, storage, use or disposal of this product. This safety data sheet is written based on this product and may only be applied to this product.

