

Safety Data Sheet 9013 Revision date: 28/12/2022 Version: 1.0

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

| 1.1. Product identifier | | | | |
|---|--|--|--|--|
| IUPAC name: Ethylene dimethaProduct code: 9013Formula: C10H14O4 | noic acid 1,2-ethanediyl ester crylate | | | |
| 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 : Chemical interme 1.2.2. Uses advised against No additional information available | diate | | | |
| 1.3. Details of the supplier of the safety data sheet | | | | |
| GELEST, INC. 158 Industrial Road Glen Rock, PA 17327 USA T 717-227-1774 - F 717-227-1775 - (M-F): 8:00 AM - 5:30 PM EST info@gelest.com - www.gelest.com GELEST INC. Fritz-Klatte-Strasse 8 65933 Frankfurt Germany T +49 (0) 69 3535106-500 - F +49 (0) 69 3535106-501 - (M-F): 8:00 AM - info@gelestde.com - www.gelest.com 1.4. Emergency telephone number | 4:00 PM | | | |
| | 00 424 0200 (USA): 14 702 527 2887 (International) | | | |
| | 00-424-9300 (USA); +1 703-527-3887 (International) | | | |
| SECTION 2: Hazards identification | | | | |
| 2.1. Classification of the substance or mixture | | | | |
| Classification according to Regulation (EC) No. 1272/2008 [CLP] | | | | |
| Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation Skin sensitisation, Category 1 Full text of H- and EUH-statements: see section 16 Specific concentration limits: $(10 \le C \le 100)$ | H335 H317 STOT SE 3, H335 | | | |
| Adverse physicochemical, human health and environmental effects | | | | |
| May cause respiratory irritation. May cause an allergic skin reaction. | | | | |

May cause respiratory irritation. May cause an allergic skin reaction.

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2.2. Label elements

| Labelling according to Regulation (EC) Hazard pictograms (CLP) | No. 1272/2008 [CLP] |
|---|---|
| Signal word (CLP) | GHS07 : Warning |
| Hazard statements (CLP) | : H335 - May cause respiratory irritation. H317 - May cause an allergic skin reaction. |
| Precautionary statements (CLP) | P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P271 - Use only outdoors or in a well-ventilated area. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P302+P352 - IF ON SKIN: Wash with plenty of water. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. |

2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

SECTION 3: Composition/information on ingredients

| 3.1. Substances | |
|-----------------|--------------------|
| Substance type | : Mono-constituent |
| Name | : BIMAX® EGDMA |
| CAS-No. | : 97-90-5 |
| EC-No. | : 202-617-2 |
| EC Index-No. | : 607-114-00-5 |

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|-------------------------|--|------|---|
| ethylene dimethacrylate | (CAS-No.) 97-90-5 (EC-No.) 202-617-2 (EC Index-No.) 607-114-00-5 | ≥ 99 | Skin Sens. 1, H317 STOT SE 3, H335 |

Specific concentration limits:

| Name | Product identifier | Specific concentration limits |
|------|--|--------------------------------|
| | (CAS-No.) 97-90-5 (EC-No.) 202-617-2 (EC Index-No.) 607-114-00-5 | (10 ≤C ≤ 100) STOT SE 3, H335 |

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

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

| 4.1. Description of first aid measures | | | |
|--|--|---|-------------|
| First-aid measures general | : Call a poison center or a d | octor if you feel unwell. | |
| First-aid measures after inhalation | : Remove person to fresh ai doctor if you feel unwell. | and keep comfortable for breathing. Call a poison | center or a |
| 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 eyes with water as a | precaution. | |
| First-aid measures after ingestion | : Call a poison center or a doctor if you feel unwell. | | |
| Print date: 30/12/2022 | EN (English) | SDS ID: 9013 | 2/12 |

| 4.2. Most important symptoms and effects | , both acute and delayed |
|--|--|
| Symptoms/effects after inhalation Symptoms/effects after skin contact | : May cause respiratory irritation. : May cause an allergic skin reaction. |
| 4.3. Indication of any immediate medical a | ttention and special treatment needed |
| Treat symptomatically. | |
| SECTION 5: Firefighting measures | |
| 5.1. Extinguishing media | |
| Suitable extinguishing media | : Water spray. Dry powder. Foam. Carbon dioxide. |
| 5.2. Special hazards arising from the subs | tance or mixture |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |
| 5.3. Advice for firefighters | |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |
| SECTION 6: Accidental release measu | res |
| 6.1. Personal precautions, protective equip | oment and emergency procedures |
| 6.1.1. For non-emergency personnel | |
| 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". |
| 6.2. Environmental precautions | |
| Avoid release to the environment. | |
| 6.3. Methods and material for containment | and cleaning up |
| Methods for cleaning up | : Take up liquid spill into absorbent material. |
| Other information | : Dispose of materials or solid residues at an authorized site. |
| 6.4. Reference to other sections | |
| For further information refer to section 13. | |
| 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 |
| Hygiene measures | protective equipment. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. 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 |
| Storage conditions | : Store locked up. Store in a well-ventilated place. Keep container tightly closed. In case of fire: keep cylinder cool by spraying with water. |
| 7.3. Specific end use(s) | |
| No additional information available | |
| Print date: 30/12/2022 | EN (English) SDS ID: 9013 3/12 |

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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

| BIMAX® EGDMA (97-90-5) | |
|--|---------------------------|
| DNEL/DMEL (Workers) | |
| Long-term - systemic effects, dermal | 1.3 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 2.45 mg/m ³ |
| DNEL/DMEL (General population) | |
| Long-term - systemic effects,oral | 0.83 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 1.45 mg/m ³ |
| Long-term - systemic effects, dermal | 0.83 mg/kg bodyweight/day |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 0.139 mg/l |
| PNEC aqua (marine water) | 0.0139 mg/l |
| PNEC aqua (intermittent, freshwater) | 0.15 mg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 1.6 mg/kg dwt |
| PNEC sediment (marine water) | 0.16 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 0.239 mg/kg dwt |
| PNEC (STP) | |
| PNEC sewage treatment plant | 57 mg/l |

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

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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 : Not available Molecular mass : 198.2 g/mol Source: International Chemical Safety Cards Odour : Not available Odour threshold : Not available Melting point : -40 °C Source: International Chemical Safety Cards Freezing point : Not available Boiling point 260 °C Source: International Chemical Safety Cards ÷ Flammability : Not applicable **Explosive limits** : Not available Lower explosion limit Not available ÷ Upper explosion limit Not available 101 °C Source: National Library of Medicine Flash point ÷ Auto-ignition temperature Not available Decomposition temperature Not available · Not available pН Viscosity, kinematic : Not available Solubility Water: 581 mg/l at 25°C Source: National Library of Medicine • Partition coefficient n-octanol/water (Log Kow) : Not available : 1.87 Source: International Chemical Safety Cards Partition coefficient n-octanol/water (Log Pow) : 478 Pa at 20°C Source: International Chemical Safety Cards Vapour pressure Vapour pressure at 50°C : Not available Density : Not available : 1.05 Source: International Chemical Safety Cards Relative density Relative vapour density at 20°C : 6.8 Source: International Chemical Safety Cards Particle characteristics : Not applicable 9.2. Other information

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

Hazardous polymerization may occur.

10.4. Conditions to avoid

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

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10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

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

| 1.1. Information on toxicological effects | S |
|---|--|
| Acute toxicity | : Not classified |
| BIMAX® EGDMA (97-90-5) | |
| LD50 oral rat | 3300 mg/kg Source: National Library of Medicine |
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity), Remarks on results: other: |
| ATE CLP (oral) | 3300 mg/kg bodyweight |
| ethylene dimethacrylate (97-90-5) | |
| LD50 oral rat | 3300 mg/kg Source: National Library of Medicine |
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity), Remarks on results: other: |
| ATE CLP (oral) | 3300 mg/kg bodyweight |
| Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure | Not classified Not classified May cause an allergic skin reaction. Not classified Not classified Not classified May cause respiratory irritation. |
| STOT-repeated exposure | : Not classified |
| BIMAX® EGDMA (97-90-5) | |
| LOAEC (inhalation, rat, gas, 90 days) | 350 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90- Day Study) |
| ethylene dimethacrylate (97-90-5) | |
| LOAEC (inhalation, rat, gas, 90 days) | 350 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90- Day Study) |
| Aspiration hazard | : Not classified |
| Symptoms/effects after inhalation Symptoms/effects after skin contact | May cause respiratory irritation.May cause an allergic skin reaction. |
| ECTION 12: Ecological informatio | n |

| Hazardous to the aquatic environment, short-term : (acute) | The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Not classified |
|--|---|
| BIMAX® EGDMA (97-90-5) | |
| LC50 - Fish [1] | 15.95 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) |
| EC50 - Crustacea [1] | 44.9 mg/l Test organisms (species): Daphnia magna |

| BIMAX® EGDMA (97-90- | -5) | | | |
|---|--|---|---|---|
| NOEC (chronic) | 5.4 | 05 mg/l Test organisms (speci | es): Daphnia magna Duration | : '21 d' |
| ethylene dimethacrylate | (97-90-5) | | | |
| LC50 - Fish [1] | 15 | 5.95 mg/l Test organisms (spe | cies): Danio rerio (previous na | me: Brachydanio rerio) |
| EC50 - Crustacea [1] | 44 | I.9 mg/l Test organisms (species): Daphnia magna | | |
| NOEC (chronic) | 5.0 | 05 mg/l Test organisms (speci | es): Daphnia magna Duration | : '21 d' |
| 12.2. Persistence and de | aradability | | | |
| lo additional information avail | | | | |
| 12.3. Bioaccumulative po | otential | | | |
| ethylene dimethacrylate | (97-90-5) | | | |
| Partition coefficient n-octanol | /water (Log Pow) 1.8 | 87 Source: International Chen | nical Safety Cards | |
| 12.4. Mobility in soil | | | | |
| lo additional information avail | lable | | | |
| 12.5. Results of PBT and | l vPvB assessment | | | |
| lo additional information avail | lable | | | |
| 12.6. Endocrine disruptir | ng properties | | | |
| No additional information avail | | | | |
| 12.7. Other adverse effect | ots | | | |
| lo additional information avai | | | | |
| lo additional information avail | lable | | | |
| | | | | |
| SECTION 13: Disposal | l considerations | | | |
| SECTION 13: Disposal | l considerations ethods | nose of contents/container in | accordance with licensed colle | ector's sorting instructions |
| SECTION 13: Disposal 13.1. Waste treatment me Vaste treatment methods | I considerations ethods : Dis | pose of contents/container in | accordance with licensed colle | ector's sorting instructions. |
| SECTION 13: Disposal 13.1. Waste treatment me Vaste treatment methods SECTION 14: Transpor | l considerations ethods : Dis rt information | pose of contents/container in | accordance with licensed colle | ector's sorting instructions. |
| SECTION 13: Disposal 13.1. Waste treatment met Vaste treatment methods SECTION 14: Transport n accordance with ADR / IMD | I considerations ethods : Dis rt information DG / IATA / ADN / RID | | | |
| SECTION 13: Disposal 13.1. Waste treatment methods Vaste treatment methods SECTION 14: Transport n accordance with ADR / IMD ADR | I considerations ethods : Dis rt information DG / IATA / ADN / RID IMDG | pose of contents/container in | accordance with licensed colle | ector's sorting instructions. |
| SECTION 13: Disposal 13.1. Waste treatment methods Vaste treatment methods SECTION 14: Transport n accordance with ADR / IMD ADR 14.1. UN number or ID methods | I considerations ethods : Dis rt information DG / IATA / ADN / RID IMDG umber | ΙΑΤΑ | ADN | RID |
| SECTION 13: Disposal 13.1. Waste treatment methods Vaste treatment methods SECTION 14: Transport n accordance with ADR / IMD ADR 14.1. UN number or ID no 3532 | I considerations ethods : Dis rt information DG / IATA / ADN / RID IMDG umber 3532 | | | |
| SECTION 13: Disposal 13.1. Waste treatment methods SECTION 14: Transport n accordance with ADR / IMD ADR 14.1. UN number or ID no 3532 14.2. UN proper shipping POLYMERIZING SUBSTANCE, LIQUID, | I considerations ethods : Dis rt information DG / IATA / ADN / RID IMDG umber 3532 g name POLYMERIZING SUBSTANCE, LIQUID, | ΙΑΤΑ | ADN 3532 POLYMERIZING SUBSTANCE, LIQUID, | RID 3532 POLYMERIZING SUBSTANCE, LIQUID, |
| SECTION 13: Disposal 13.1. Waste treatment methods Vaste treatment methods SECTION 14: Transport n accordance with ADR / IMD ADR 14.1. UN number or ID no 3532 14.2. UN proper shipping POLYMERIZING | I considerations ethods : Dis rt information DG / IATA / ADN / RID IMDG umber 3532 g name POLYMERIZING SUBSTANCE, LIQUID, STABILIZED, N.O.S. | IATA 3532 Polymerizing substance, | ADN 3532 POLYMERIZING | RID 3532 POLYMERIZING |
| SECTION 13: Disposal 13.1. Waste treatment methods Vaste treatment methods SECTION 14: Transport n accordance with ADR / IMD ADR 14.1. UN number or ID methods 3532 14.2. UN proper shipping POLYMERIZING SUBSTANCE, LIQUID, STABILIZED, N.O.S. | I considerations ethods : Dis rt information DG / IATA / ADN / RID IMDG umber 3532 g name POLYMERIZING SUBSTANCE, LIQUID, STABILIZED, N.O.S. | IATA 3532 Polymerizing substance, | ADN 3532 POLYMERIZING SUBSTANCE, LIQUID, | RID 3532 POLYMERIZING SUBSTANCE, LIQUID, STABILIZED, N.O.S. |
| SECTION 13: Disposal 13.1. Waste treatment methods SECTION 14: Transport ADR 14.1. UN number or ID methods 3532 14.2. UN proper shipping POLYMERIZING SUBSTANCE, LIQUID, STABILIZED, N.O.S. Transport document descri UN 3532 POLYMERIZING SUBSTANCE, LIQUID, STABILIZED, N.O.S. (Ethylene glycol | I considerations ethods : Dis rt information DG / IATA / ADN / RID IMDG Umber 3532 g name POLYMERIZING SUBSTANCE, LIQUID, STABILIZED, N.O.S. iption UN 3532 POLYMERIZING SUBSTANCE, LIQUID, STABILIZED, N.O.S. (Ethylene glycol dimethacrylate), 4.1, III | IATA 3532 Polymerizing substance, liquid, stabilized, n.o.s. UN 3532 Polymerizing substance, liquid, stabilized, n.o.s. (Ethylene glycol dimethacrylate), 4.1, | ADN 3532 POLYMERIZING SUBSTANCE, LIQUID, STABILIZED, N.O.S. UN 3532 POLYMERIZING SUBSTANCE, LIQUID, STABILIZED, N.O.S. (Ethylene glycol | RID 3532 POLYMERIZING SUBSTANCE, LIQUID, STABILIZED, N.O.S. UN 3532 POLYMERIZING SUBSTANCE, LIQUID, STABILIZED, N.O.S. (Ethylene glycol |

| ADR | IMDG | ΙΑΤΑ | ADN | RID |
|--|--|---|-----------------------------------|-----------------------------------|
| | | | | |
| 14.4. Packing group | 1 | | | 1 |
| III | III | III | III | III |
| 14.5. Environmental ha | zards | | | |
| Dangerous for the environment: No | Dangerous for the environment: No Marine pollutant: No | Dangerous for the environment: No | Dangerous for the environment: No | Dangerous for the environment: No |
| No supplementary information | on available | | | · |
| 4.6. Special precaution | ns for user | | | |
| pecial provisions (ADR) imited quantities (ADR) accepted quantities (ADR) acking instructions (ADR) pecial packing provisions (A ortable tank and bulk contai ortable tank and bulk contai ADR) ank code (ADR) ank special provisions (ADF ehicle for tank carriage ransport category (ADR) pecial provisions for carriag pecial provisions for carriag nd handling (ADR) lazard identification number orange plates | : 0 : : <td:< td=""> : :</td:<> | 01, IBC03 93, B19 4, TP6 BN(+) 30, TE11 15, CV22 40 3532 | | |
| ransport by sea pecial provisions (IMDG) imited quantities (IMDG) xcepted quantities (IMDG) acking instructions (IMDG) pecial packing provisions (IMDG) ack packing instructions (IMDG) ack packing instructions (IMDG) ank special provisions (IMDG) ank special provisions (IMDG) ank special provisions (IMDG) mS-No. (Fire) mS-No. (Spillage) towage category (IMDG) towage and handling (IMDG) | : 274 : 0 : E0 : P0 G) : PP G) : B1 : T7 : T7 : G) : TP : F-J : S-C : D | 4, 386 01 93 C03 9 4, TP6 J G | | |

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Air transport

| Air transport | |
|--|---|
| PCA Excepted quantities (IATA) | : E0 |
| PCA Limited quantities (IATA) | : Forbidden |
| PCA limited quantity max net quantity (IATA) | : Forbidden |
| PCA packing instructions (IATA) | : 459 |
| PCA max net quantity (IATA) | : 10L |
| | : 459 |
| | : 25L |
| | : A209 |
| ERG code (IATA) | : 3L |
| Inland waterway transport | |
| Classification code (ADN) | : PM1 |
| . , | : 274, 386 |
| , | : 0 |
| , | : E0 |
| , | : PP |
| Number of blue cones/lights (ADN) | : 0 |
| | |
| • | DIA |
| | : PM1 |
| | : 274, 386 |
| | : 0 |
| , | : E0 |
| o | : P001, IBC03 |
| | : PP93, B19 |
| | : T7 |
| | : TP4, TP6 |
| | : L4BN(+) |
| | : TU30, TE11 |
| | : 1030, TETT |
| | : 2 : W7 |
| Special provisions for carriage – Packages (RID) Special provisions for carriage - Loading, unloading | |
| Special provisions for carriage - Loaging Unioaging | |
| | |
| and handling (RID) | |
| | : CE6 : 40 |
| | PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quantity (IATA) PCA packing instructions (IATA) PCA max net quantity (IATA) CAO packing instructions (IATA) CAO max net quantity (IATA) CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA) Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Equipment required (ADN) |

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 Annex XVII (Restriction List)

Not listed on REACH Annex XVII

POP Regulation (Persistent Organic Pollutants)

Not listed on the POP list (Regulation EU 2019/1021)

REACH Annex XIV (Authorisation List)

Not listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Not listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Not listed on the PIC list (Regulation EU 649/2012)

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Ozone Regulation (1005/2009) Not listed on the Ozone Depletion list (Regulation EU 1005/2009) VOC Directive (2004/42) VOC content : No additional information available **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) 15.1.2. National regulations Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on the Canadian DSL (Domestic Substances List) Listed on INSQ (Mexican National Inventory of Chemical Substances) Germany Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG). Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG). WGK 1, Slightly hazardous to water (Classification according to VwVwS, Annex 3; ID No. Water hazard class (WGK) 3111). Hazardous Incident Ordinance (12. BImSchV) Is not subject of the Hazardous Incident Ordinance (12. BImSchV) : **Netherlands** SZW-lijst van kankerverwekkende stoffen : The substance is not listed SZW-lijst van mutagene stoffen : The substance is not listed SZW-lijst van reprotoxische stoffen - Borstvoeding : The substance is not listed SZW-lijst van reprotoxische stoffen -: The substance is not listed Vruchtbaarheid SZW-lijst van reprotoxische stoffen - Ontwikkeling : The substance is not listed Denmark Young people below the age of 18 years are not allowed to use the product **Danish National Regulations** Switzerland Storage class (LK) : LK 4.1 - Flammable solids

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 | European 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 | |
| EC-No. | European Community number | |

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| Abbreviations and acronyms: | | | |
|-----------------------------|--|--|--|
| EC50 | Median effective concentration | | |
| EN | European Standard | | |
| IARC | International Agency for Research on Cancer | | |
| ΙΑΤΑ | International Air Transport Association | | |
| IMDG | International Maritime Dangerous Goods | | |
| LC50 | Median lethal concentration | | |
| LD50 | Median lethal dose | | |
| LOAEL | Lowest Observed Adverse Effect Level | | |
| NOAEC | No-Observed Adverse Effect Concentration | | |
| 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 | | |
| SDS | 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.O.S. | Not Otherwise Specified | | |
| vPvB | Very Persistent and Very Bioaccumulative | | |
| ED | Endocrine disrupting properties | | |

| Full text of H- and EUH-statements: | | |
|-------------------------------------|--|--|
| H317 | May cause an allergic skin reaction. | |
| H335 | May cause respiratory irritation. | |
| Skin Sens. 1 | Skin sensitisation, Category 1 | |
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation | |

SDS EU (REACH Annex II) - Custom v22

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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