

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 27-5-2022 Version: 1.0

| SECTION 1: Id | entification of the substa | nce/mixt | ure and of the <u>company</u> | /undertaking | |
|---|---|-------------------------------------|--|--------------------------------|---------------------|
| 1.1. Product ide | | | | | |
| Product form | | : Substar | | | |
| Substance name | | - | Polyaspartic Coloured B-comp | onent | |
| IUPAC name | | | gomers, isocyanurate | | |
| EC-No. | | : 931-274 | 4-8 | | |
| CAS-No. | | : 28182-8 | | | |
| Formula | | : (C ₈ H ₁₂ N | I ₂ O ₂) _n | | |
| Product group | | : Coating | s and paints, fillers, putties, thin | ners | |
| 1.2. Relevant ide | entified uses of the substan | ce or mix | ture and uses advised aga | inst | |
| 1.2.1. Relevant ide | entified uses | | | | |
| Main use category | | : Industri | al use,Professional use | | |
| Use of the substand | ce/mixture | : B-comp | onent corresponding to A-comp | onent | |
| 1.2.2. Uses advise | d against | | | | |
| No additional inform | - | | | | |
| | e supplier of the safety data | a sheet | | | |
| Quartzline B.V. | pot 5 | | | | |
| W.A. Boogaerdtstra 3316 BN Dordrecht | | | | | |
| T +31 (0)78 651310 | 00 - F +31 (0)78 6177390 | | | | |
| info@quartzline.nl | | | | | |
| | telephone number | | 79 6512100 | | |
| Emergency numbe | I | · · · | 78 6513100 mber is serviced during office h | ours. | |
| | | | | | |
| Country | Organisation/Company | | Address | Emergency number | Comment |
| United Kingdom | National Poisons Information Se | ervice | Grosvenor Road | 0344 892 0111 | Only for healthcare |
| <u> </u> | (Belfast Centre) | | BT12 6BA Belfast | | professionals |
| | Royal Victoria Hospital | | | | |
| | on of the substance or mixtu ording to Regulation (EC) No. 1 | | CL P1 | | |
| | lation:dust,mist) Category 4 | 212/2000 [| H332 | | |
| Skin sensitisation, (| , . | | H317 | | |
| Specific target orga | in toxicity – Single exposure, Cate | egory 3, Re | - | | |
| tract irritation | | | | | |
| Full text of H- and E | EUH-statements: see section 16 | | | | |
| | hemical, human health and env | | | | |
| | May cause respiratory irritation. N | lay cause a | n allergic skin reaction. | | |
| 2.2. Label eleme | | | | | |
| - | ng to Regulation (EC) No. 1272/ | 2008 [CLP] | | | |
| Hazard pictograms | (ULP) | | | | |
| | | | | | |
| Ň. | | | | | |
| | | | | | |
| | | GHS | | | |
| Signal word (CLP) | | : Warning | | | |
| Contains | | | amethylene diisocyanate, oligomers, hexamethylene-di-isocyanate | | |
| Hazard statements | (CLP) | | May cause an allergic skin reac | tion. | |
| | | | Harmful if inhaled. May cause respiratory irritation. | | |
| Precautionary state | ments (CLP) | : P261 - | Avoid breathing vapours, mist. | | |
| - | | | Wear protective gloves. | N the set of a strength of the | |
| | | | Call doctor, a POISON CENTER P313 - If skin irritation or rash oc | | ention |
| | | F000+F | STS - II SNIT ITTIALIUTI UT TASN OC | curs. Get medical advice/ati | GHUUH. |
| | | | | | |

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| | P362+P364 - Take off contaminated clothing and wash it before reuse. P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |
|--------------------|--|
| EUH-statements | : EUH204 - Contains isocyanates. May produce an allergic reaction. |
| Extra phrases | : As from 24 August 2023 adequate training is required before industrial or professional use. |
| 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 | | | |
| Name : Coating Polyaspartic Coloured B-component | | | |
| CAS-No. | : 28182-81-2 | | |
| EC-No. | : 931-274-8 | | |
| | | | |

| Name | Product identifier | Conc. (% w/w) | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|--|------------------|--|
| Hexamethylene diisocyanate, oligomers | CAS-No.: 28182-81-2 EC-No.: 500-060-2 REACH-no: 01-2119485796- 17 | ≤ 100 | Acute Tox. 4 (Inhalation), H332 Skin Sens. 1, H317 STOT SE 3, H335 |
| hexamethylene-di-isocyanate (Note 2) | CAS-No.: 822-06-0 EC-No.: 212-485-8 EC Index-No.: 615-011-00-1 REACH-no: 01-2119457571- 37 | < 1 | Acute Tox. 4 (Oral), H302 Acute Tox. 1 (Inhalation:vapour), H330 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 STOT SE 3, H335 |

| Specific concentration limits | ic concentration limits | | | |
|-------------------------------|--|---|--|--|
| Name | Product identifier | Specific concentration limits | | |
| | CAS-No.: 822-06-0 EC-No.: 212-485-8 EC Index-No.: 615-011-00-1 REACH-no: 01-2119457571- 37 | (0,5 ≤C < 100) Skin Sens. 1, H317 (0,5 ≤C < 100) Resp. Sens. 1, H334 | | |

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

Note 2 : The concentration of isocyanate stated is the percentage by weight of the free monomer calculated with reference to the total weight of the mixture.

3.2. Mixtures

Not applicable

| SECTION 4: First aid measures | |
|---|---|
| 4.1. Description of first aid measures | |
| First-aid measures general | : Never give anything by mouth to an unconscious person. If medical advice is needed, have product container or label at hand. 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. Give oxygen or artificial respiration if necessary. 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 eyes with water as a precaution. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, consult a specialist. |
| First-aid measures after ingestion | : Rinse mouth out with water. Do not induce vomiting without medical advice. Call a poison center or a doctor if you feel unwell. |
| 4.2. Most important symptoms and effects, both acute and delayed | |
| Symptoms/effects after inhalation | : May cause respiratory irritation. |
| Symptoms/effects after skin contact | : May cause an allergic skin reaction. |
| 4.3. Indication of any immediate medical attention and special treatment needed | |

Treat symptomatically.

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| SECTION 5: Firefighting measures | | | |
|---|---|--|--|
| 5.1. Extinguishing media | | | |
| Suitable extinguishing media | : Carbon dioxide. Water spray. sand. Foam. Dry powder. | | |
| Unsuitable extinguishing media | : Do not use a heavy water stream. | | |
| 5.2. Special hazards arising from the substa | ance or mixture | | |
| Fire hazard | : Presents no particular fire or explosion hazard. | | |
| Hazardous decomposition products in case of fire | : On burning: release of harmful/irritant gases/vapours. Carbon oxides (CO, CO2). Nitrogen oxides. Hydrogen cyanide. Isocyanates. | | |
| 5.3. Advice for firefighters | | | |
| Firefighting instructions | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. | | |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. | | |
| | | | |
| SECTION 6: Accidental release measur | | | |
| 6.1. Personal precautions, protective equip | ment and emergency procedures | | |
| 6.1.1. For non-emergency personnel | | | |
| Emergency procedures | : Ventilate spillage area. Avoid breathing vapours, mist. 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. Prevent entry to s | ewers and public waters. | | |
| 6.3. Methods and material for containment | | | |
| 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 8: "Exposure | controls/personal protection". Concerning disposal elimination after cleaning, see 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 vapours, mist, spray. Avoid contact with skin and eyes. Wear personal protective equipment. | | |
| Handling temperature | : < 40 °C | | |
| Hygiene measures | : 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. | | |

| | , anayo naon nanao anor nanamig no produci |
|---|---|
| 7.2. Conditions for safe storage, including | any incompatibilities |
| Storage conditions | : Keep only in the original container in a cool well ventilated place. Keep container tightly closed. Protect from moisture. Store locked up. |
| Incompatible products | : Amines. Oxidizing agent. water. alcohols. |
| Storage temperature | : ≈ 20 °C |
| Heat and ignition sources | : Keep away from heat and direct sunlight. |
| 7.3. Specific end use(s) | |
| | |

Curing agent.

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

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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

Personal protective equipment:

Gloves. Wear respiratory protection.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses. Standard EN 166 - Personal eye-protection - specifications

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing. EN 340

Hand protection:

Wear suitable gloves resistant to chemical penetration. Chemical resistant gloves (according to European standard NF EN 374 or equivalent)

| Hand protection | | | | | |
|-----------------|-----------------------|-------------------|----------------|-------------|----------|
| Туре | Material | Permeation | Thickness (mm) | Penetration | Standard |
| Gloves | Butyl rubber | 6 (> 480 minutes) | >0.5 | | EN 374 |
| Gloves | Fluoroelastomer (FKM) | 6 (> 480 minutes) | >0.4 | | EN 374 |

8.2.2.3. Respiratory protection

Respiratory protection:

Wear respiratory protection. EN 143

| espiratory protection | | | | |
|-----------------------|---|---|----------|--|
| Device | Filter type | Condition | Standard | |
| Breathing apparatus | Type A - High-boiling (>65 °C) organic compounds | Vapour protection, Protection for Liquid particles | EN 143 | |

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Other information:

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke during use.

| SECTION 9: Physical and chemical properties | | |
|--|-------------------------|--|
| 9.1. Information on basic physical and chemical properties | | |
| Physical state | : Liquid | |
| Colour | : colourless to yellow. | |
| Odour | : Odourless. | |
| Odour threshold | : Not available | |
| Melting point | : -51,3 – -28,4 °C | |
| | | |

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Freezing point | : Not available |
|---|-----------------------------|
| Boiling point | : Not available |
| Flammability | : Not applicable |
| Explosive properties | : Product is not explosive. |
| Oxidising properties | : Non oxidizing. |
| Explosive limits | : Not available |
| Lower explosion limit | : Not available |
| Upper explosion limit | : Not available |
| Flash point | : 190 °C (Open cup) |
| Auto-ignition temperature | : > 200 °C (DIN 51794) |
| Decomposition temperature | : 250 °C |
| рН | : Not available |
| Viscosity, kinematic | : 431,034 mm²/s |
| Viscosity, dynamic | : 500 mPa.s (25 °C) |
| Solubility | : Reacts with water. |
| Partition coefficient n-octanol/water (Log Kow) | : 9,81 |
| Vapour pressure | : Not available |
| Vapour pressure at 50 °C | : Not available |
| Density | : 1,16 g/cm³ (20 °C) |
| Relative density | : Not available |
| Relative vapour density at 20 °C | : Not available |
| Particle size | : Not applicable |
| Particle size distribution | : Not applicable |
| Particle shape | : Not applicable |
| Particle aspect ratio | : Not applicable |
| Particle aggregation state | : Not applicable |
| Particle agglomeration state | : Not applicable |
| Particle specific surface area | : Not applicable |
| Particle dustiness | : Not applicable |
| 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 |
| Reacts with water. |
| 10.2. Chemical stability |
| Stable under normal conditions. |
| 10.3. Possibility of hazardous reactions |
| Reacts violently with water. |
| 10.4. Conditions to avoid |
| Extremely high or low temperatures. Do not allow water (or moist air) contact with this material. |
| 10.5. Incompatible materials |
| alcohols. Amines. Oxidizing agent. Water. |
| 10.6. Hazardous decomposition products |
| Combustion generates: Carbon oxides (CO, CO2). Nitrogen oxides (NOx). Hydrocyanic acid (hydrocyanic acid). Isocyanates. |

| SECTION 11: Toxicological in | rmation | |
|--|--|--|
| 11.1. Information on hazard class | s as defined in Regulation (EC) No 1272/2008 | |
| Acute toxicity (oral) | : Not classified | |
| Acute toxicity (dermal) | : Not classified | |
| Acute toxicity (inhalation) | : Harmful if inhaled. | |
| Hexamethylene diisocyanate, oligomers (28182-81-2) | | |
| LD50 oral rat | > 2500 mg/kg | |

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Hexamethylene diisocyanate, oligomers (281 | 82-81-2) |
|--|---|
| LD50 dermal rat | > 2000 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg |
| ATE gases | 4500 ppmv/4h |
| ATE vapours | 11 mg/l/4h |
| ATE dust/mist | 1,5 mg/l/4h |
| | 1,5 mg//4n |
| hexamethylene-di-isocyanate (822-06-0) | |
| LD50 oral rat | 746 mg/kg |
| LD50 dermal rat | > 7000 ml/kg |
| LC50 Inhalation - Rat (Vapours) | 0,124 mg/l/4h |
| ATE oral | 746 mg/kg bodyweight |
| ATE vapours | 0,124 mg/l/4h |
| Skin corrosion/irritation : | Not classified |
| Serious eye damage/irritation : | Not classified |
| | May cause an allergic skin reaction. |
| | Not classified |
| 5 , | Not classified |
| Reproductive toxicity : | Not classified |
| STOT-single exposure : | May cause respiratory irritation. |
| Hexamethylene diisocyanate, oligomers (281 | 82-81-2) |
| STOT-single exposure | May cause respiratory irritation. |
| hexamethylene-di-isocyanate (822-06-0) | _ |
| STOT-single exposure | May cause respiratory irritation. |
| STOT-repeated exposure : | Not classified |
| Aspiration hazard : | Not classified |
| HDI oligomers, isocyanurate (28182-81-2) | |
| Viscosity, kinematic | 431,034 mm²/s |
| 11.2. Information on other hazards | |
| 11.2.1. Endocrine disrupting properties | |
| 11.2.2. Other information | |
| | Fatal if inhaled. |
| symptoms | |
| SECTION 12: Ecological information | |
| 12.1. Toxicity | |
| | Not classified |
| | Not classified |
| Hexamethylene diisocyanate, oligomers (281 | 82-81-2) |
| EC50 - Crustacea [1] | 127 mg/l (Daphnia magna; EU Method C.2) |
| ErC50 algae | > 1000 mg/l (Desmodesmus subspicatus; DIN 38 412, Part 9) |
| hexamethylene-di-isocyanate (822-06-0) | |
| LC50 - Fish [1] | > 82,8 mg/l (EU Method C.1; Danio rerio) |
| EC50 - Crustacea [1] | > 89,1 mg/l (EU Method C.2; Daphnia magna) |
| | |

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| 12.2. Persistence and degradability | |
|---|----------------------------|
| | |
| Hexamethylene diisocyanate, oligomers (281 | 82-81-2) |
| Persistence and degradability | Not readily biodegradable. |
| 12.3. Bioaccumulative potential | |
| HDI oligomers, isocyanurate (28182-81-2) | |
| Partition coefficient n-octanol/water (Log Kow) | 9,81 |
| 12.4. Mobility in soil | |
| HDI oligomers, isocyanurate (28182-81-2) | |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 4,432 - 5,786 |
| 12.5. Results of PBT and vPvB assessment | |
| No additional information available | |
| 12.6. Endocrine disrupting properties | |
| No additional information available | |
| 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. |
| Ecology - waste materials | : Avoid release to the environment. |
| European List of Waste (LoW) code | : 08 00 00 - WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS |

| SECTION 14: Transport information n accordance with ADR / IMDG / IATA / ADN / RID | | | | |
|---|-------------------------------|---------------|---------------|---------------|
| ADR | IMDG | ΙΑΤΑ | ADN | RID |
| 14.1. UN number or ID n | 14.1. UN number or ID number | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.2. UN proper shippin | 14.2. UN proper shipping name | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.3. Transport hazard class(es) | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.4. Packing group | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.5. Environmental hazards | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| No supplementary information available | | | | |
| 14.6. Special precautions | s for user | | | |

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Rail transport

Not regulated

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

| EU restriction list (REACH Annex XVII) | | |
|--|---|---|
| Reference code | Applicable on | Entry title or description |
| 3(b) | HDI oligomers, isocyanurate ; Hexamethylene diisocyanate, oligomers ; hexamethylene-di- isocyanate | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 |
| 74. | hexamethylene-di- isocyanate | Diisocyanates, $O = C=N-R-N = C=O$, with R an aliphatic or aromatic hydrocarbon unit of unspecified length |

HDI oligomers, isocyanurate is not on the REACH Candidate List

HDI oligomers, isocyanurate is not on the REACH Annex XIV List

HDI oligomers, isocyanurate is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 july 2012 concerning the export and import of hazardous chemicals.

HDI oligomers, isocyanurate is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

| Abbreviations and acronyms | | |
|----------------------------|---|--|
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road | |
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways | |
| ATE | Acute Toxicity Estimate | |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 | |
| ΙΑΤΑ | International Air Transport Association | |
| IMDG | International Maritime Dangerous Goods | |
| LD50 | Median lethal dose | |
| РВТ | Persistent Bioaccumulative Toxic | |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 | |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail | |
| SDS | Safety Data Sheet | |
| vPvB | Very Persistent and Very Bioaccumulative | |

Data sources

: ECHA (European Chemicals Agency).

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Other information

: REACH Disclaimer:

This information is based on current knowledge. Consistency of data in the SDS with CSR is considered, as far as the information is available at the time of compilation (cfr Revision date and Version number). DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

| Full text of H- and EUH-statements | | |
|--|--|--|
| Acute Tox. 1 (Inhalation:vapour) | Acute toxicity (inhalation:vapour) Category 1 | |
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4 | |
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4 | |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 | |
| EUH204 | Contains isocyanates. May produce an allergic reaction. | |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 | |
| H302 | Harmful if swallowed. | |
| H315 | Causes skin irritation. | |
| H317 | May cause an allergic skin reaction. | |
| H319 | Causes serious eye irritation. | |
| H330 | Fatal if inhaled. | |
| H332 | Harmful if inhaled. | |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. | |
| H335 | May cause respiratory irritation. | |
| Resp. Sens. 1 | Respiratory sensitisation, Category 1 | |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 | |
| Skin Sens. 1 | Skin sensitisation, Category 1 | |
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation | |

Safety Data Sheet applicable for regions

: GB - United Kingdom

The classification complies with

: ATP 12

This Safety Data Sheet is compiled by: ChemPros B.V. | +31(0)797676006 | info@chemprosbv.nl