

PUP-TURBO Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Issue date: 06/09/2017 Revision date: 18/07/2019 Supersedes version of: 06/09/2017

Version: 1.2

| SECTION 1: Identification of the substance/mixture and of the company/undertaking | | |
|--|---|--|
| 1.1. | Product identifier | |
| Product | form | : Mixture |
| Product | name | : PUP-TURBO |
| Product group | | : Blend |
| 1.2. | Relevant identified uses of the s | ubstance or mixture and uses advised against |
| 1.2.1. | Relevant identified uses | |
| Main us | e category | : Professional use,Industrial use |
| 1.2.2. | Uses advised against | |
| No additional information available | | |
| 1.3. | 1.3. Details of the supplier of the safety data sheet | |
| Sidec Industrieweg 10 2490 Balen - BELGIE T +32 14 81 50 01 <u>safety@sidec.be</u> - <u>www.sidec.eu</u> | | |

1.4. Emergency telephone number

| Country | Organisation/Company | Address | Emergency number |
|---------|---|---------------------------------------|------------------|
| Belgium | Centre Anti-Poisons/Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid | Rue Bruyn 1 1120 Bruxelles/Brussel | +32 70 245 245 |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

| Acute Tox. 4 (Inhalation:dust,mist) | H332 |
|-------------------------------------|------|
| Skin Irrit. 2 | H315 |
| Eye Irrit. 2 | H319 |
| Resp. Sens. 1 | H334 |
| Skin Sens. 1 | H317 |
| Carc. 2 | H351 |
| STOT SE 3 | H335 |
| STOT RE 2 | H373 |

Full text of H statements : see section 16

| 2.2. Label elements | |
|---------------------------------------|--|
| Labelling according to Regulation (EC |) No. 1272/2008 [CLP] |
| Hazard pictograms (CLP) | HS07 GHS08 |
| Signal word (CLP) | : Danger |
| Hazardous ingredients | Polymeric MDI; 4,4'-Diphenylmethane diisocyanate; Poly[oxy(methyl-1,2-ethanediyl)], .alpha hydroomegahydroxy-, polymer with 1,1'-methylenebis[isocyanatobenzene]; Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl)phenyl isocyanate / methylene diphenyl diisocyanate |
| Hazard statements (CLP) | H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H332 - Harmful if inhaled. H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 - May cause respiratory irritation. H351 - Suspected of causing cancer. |
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| | H373 - May cause damage to organs through prolonged or repeated exposure. |
|---|--|
| Precautionary statements (CLP) | P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P260 - Do not breathe vapours, gas, mist, fume, dust. P264 - Wash hands, face thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P272 - Contaminated work clothing should not be allowed out of the workplace. |
| 2.3. Other hazards | |
| Adverse physicochemical, human health and environmental effects | : Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. Harmful if inhaled. May cause respiratory irritation. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. |

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| ame | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|--|---------|--|
| lymeric MDI | (CAS-No.) 9016-87-9 (EC-No.) 500-079-6 (REACH-no) 01-2119457024-46 | 13 – 30 | Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373 |
| 4-Diphenylmethane diisocyanate | (CAS-No.) 101-68-8 (EC-No.) 202-966-0 (EC Index-No.) 615-005-00-9 (REACH-no) 01-2119457014-47 | 13 – 30 | Carc. 2, H351 Resp. Sens. 1, H334 Skin Sens. 1, H317 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 |
| ıly[oxy(methyl-1,2-ethanediyl)], .alphahydroomega droxy-, polymer with 1,1'-methylenebis[isocyanatobenzene] | (CAS-No.) 39420-98-9 (EC-No.) 643-036-8 | 13 – 30 | Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Resp. Sens. 1A, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373 |
| eaction mass of 4,4'-methylenediphenyl diisocyanate and o- isocyanatobenzyl)phenyl isocyanate / methylene diphenyl socyanate | (EC Index-No.) 905-806-4 (REACH-no) 01-2119457015-45 | 13 – 30 | Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373 |
| 1'-Methylenebis [isocyanatobenzene], polymer with 1,2- nanediamine,methyloxirane and oxirane, block | | 13 – 30 | Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373 |
| | | | |

| Name | Product identifier | Specific concentration limits |
|-----------------------------------|-----------------------------|-------------------------------------|
| 4,4'-Diphenylmethane diisocyanate | (CAS-No.) 101-68-8 | (0,1 ≤C < 100) Resp. Sens. 1, H334 |
| | (EC-No.) 202-966-0 | (5 ≤C < 100) STOT SE 3, H335 |
| | (EC Index-No.) 615-005-00-9 | (5 ≤C < 100) Skin Irrit. 2, H315 |
| | (REACH-no) 01-2119457014-47 | (5 ≤C < 100) Eye Irrit. 2, H319 |

Full text of H-statements: see section 16

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| 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 | If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention immediately. Treatment is symptomatic for primary irritation or bronchospasm. If breathing is laboured, oxygen should be administered by qualified personnel. | |
| First-aid measures after skin contact | : Wash off immediately with soap and plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. An MDI study has demonstrated that a polyglycol-based skin cleanser (such as D-TamTM, PEG-400) or corn oil may be more effective than soap and water. | |
| First-aid measures after eye contact | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. | |
| First-aid measures after ingestion | : Call a poison center or a doctor if you feel unwell. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. | |
| 4.2. Most important symptoms and effe | cts, both acute and delayed | |
| Symptoms/effects after inhalation | : LC50 (rat) : ca. 490 mg/m ³ (4 hours) : using experimentally produced respirable aerosol having aerodynamic diameter <5microns. This product is a respiratory irritant and potential respiratory sensitiser: repeated inhalation of vapour or aerosol at levels above the occupational exposure limit could cause respiratory sensitisation. Symptoms may include irritation to the eyes, nose, throat and lungs, possibly combined with dryness of the throat, tightness of chest and difficulty in breathing. The onset of the respiratory symptoms may be delayed for several hours after exposure. A hyper-reactive response to even minimal concentrations of MDI may develop in sensitised persons. | |
| Symptoms/effects after skin contact | Irritating to skin. May cause sensitisation by skin contact. Animal studies have shown that respiratory sensitisation can be induced by skin contact with known respiratory sensitisers including diisocyanates. These results emphasize the need for protective clothing including gloves to be worn at all times when handling these chemicals or in maintenance work. | |
| Symptoms/effects after eye contact | : Eye irritation. | |
| Symptoms/effects after ingestion | : Low oral toxicity. Ingestion may cause irritation of the gastrointestinal tract. | |

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

Treat symptomatically. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

| SECTION 5: Firefighting measures | |
|---|---|
| 5.1. Extinguishing media | |
| Suitable extinguishing media | : Dry powder. Foam. Carbon dioxide. |
| Unsuitable extinguishing media | : Reacts on contact with water releasing carbon dioxide (CO2). Water may be used if no other available and then in copious quantities. Reaction between water and hot isocyanate may be vigorous. Prevent washings from entering water courses, keep fire exposed containers cool by spraying with water. |
| 5.2. Special hazards arising from the s | ubstance or mixture |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. carbon dioxide (CO2). Carbon monoxide. Nitrogen dioxide. |
| 5.3. Advice for firefighters | |
| Precautionary measures fire | : Evacuate and limit access. |
| Protection during firefighting | Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. Boots made of PVC. Safety helmet. |
| Other information | : Reacts on contact with water releasing carbon dioxide (CO2). |
| | |
| SECTION 6: Accidental release me | asures |
| SECTION 6: Accidental release met 6.1. Personal precautions, protective e | asures equipment and emergency procedures |
| | |
| 6.1. Personal precautions, protective e | |
| 6.1.Personal precautions, protective et6.1.1.For non-emergency personnel | equipment and emergency procedures : Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with |
| 6.1. Personal precautions, protective e 6.1.1. For non-emergency personnel Emergency procedures | equipment and emergency procedures : Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with |
| 6.1.Personal precautions, protective e6.1.1.For non-emergency personnelEmergency procedures6.1.2.For emergency responders | equipment and emergency procedures Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Do not attempt to take action without suitable protective equipment. For further information |
| 6.1. Personal precautions, protective e 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment | equipment and emergency procedures Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Do not attempt to take action without suitable protective equipment. For further information |
| 6.1. Personal precautions, protective e 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions | Pequipment and emergency procedures Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
| 6.1. Personal precautions, protective e 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions Avoid release to the environment. | Pequipment and emergency procedures Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |

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| Other information | | : Dispose of materials or solid residues at an authorized site. | | |
|-------------------|---------------------------------------|--|--|--|
| 6.4. | Reference to other sections | | | |
| For fur | ther information refer to section 13. | | | |
| SECT | SECTION 7: Handling and storage | | | |
| 7.1. | Precautions for safe handling | | | |
| Precau | tions for safe handling | : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. | | |
| 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, includin | g any incompatibilities | | |
| Storage | e conditions | : Store locked up. Keep container tightly closed. Keep cool. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. | | |

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| 4,4'-Diphenylmethane diisocyanate (101-68-8) | | | |
|--|-------------------------------|-------------|--|
| Belgium | Limit value (mg/m³) | 0,052 mg/m³ | |
| Belgium | Limit value (ppm) | 0,005 ppm | |
| France | VME (mg/m ³) | 0,1 mg/m³ | |
| France | VME (ppm) | 0,01 ppm | |
| France | VLE (mg/m ³) | 0,2 mg/m³ | |
| France | VLE (ppm) | 0,02 ppm | |
| United Kingdom | WEL TWA (mg/m ³) | 0,02 mg/m³ | |
| United Kingdom | WEL STEL (mg/m ³) | 0,07 mg/m³ | |
| USA - ACGIH | ACGIH TWA (ppm) | 0,005 ppm | |

8.2. Exposure controls

Appropriate engineering controls Personal protective equipment

Materials for protective clothing

Hand protection

Eye protection Skin and body protection

Respiratory protection



Environmental exposure controls

Other information

- : Ensure good ventilation of the work station.
- : Gloves. Protective goggles.
- : Cotton dust. Tyvek® Gown/Coveralls
- : Wear suitable gloves tested to EN374. Since the product consists of several substances, it is possible to estimate the durability of the glove material beforehand and it therefore needs to be tested before use. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed. Recommended materials. Butyl rubber gloves. Viton. Vinyl. 5 (> 240 minutes)
- : Safety glasses. A risk assessment is required
- : Wear suitable protective clothing. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Body: Recommended: Overall (preferably heavy cotton) or Tyvek-Pro Tech 'C', Tyvek-Pro 'F' disposable coverall. Impervious footwear must be worn
- : Carry out operations in the open/under local exhaust/ventilation or with respiratory protection

: Avoid release to the environment.

: Wash hands and face before break and at end of works. Do not eat, drink or smoke when using this product. Separate working clothes from town clothes. Launder separately.

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| SECTION 9: Physical and chemical properties | | |
|--|--|--|
| 9.1. Information on basic physical and chemical properties | | |
| Physical state | : Liquid | |
| Colour | : No data available | |
| Odour | : slight. | |
| Odour threshold | : No data available | |
| рН | : No data available | |
| Relative evaporation rate (butylacetate=1) | : No data available | |
| Melting point | : Not applicable | |
| Freezing point | : No data available | |
| Boiling point | : No data available | |
| Flash point | : > 130 °C [EC A.9 Flash-Point (closed cup)] | |
| Auto-ignition temperature | : No data available | |
| Decomposition temperature | : No data available | |
| Flammability (solid, gas) | : Not applicable | |
| Vapour pressure | : 0,0000024 kPa | |
| Relative vapour density at 20 °C | : No data available | |
| Relative density | : No data available | |
| Density | : 1,176 g/cm ³ | |
| Solubility | : No data available | |
| Partition coefficient n-octanol/water (Log Pow) | : No data available | |
| Viscosity, kinematic | : 370 mm²/s | |
| Viscosity, dynamic | : 440 – 500 | |
| Explosive properties | : No data available | |
| Oxidising properties | : No data available | |
| Explosive limits | : No data available | |
| 9.2. Other information | | |
| | | |

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Insufficient data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Reaction with water (moisture) produces CO2-gas. Exothermic reaction with materials containing active hydrogen groups. The reaction becomes progressively more vigorous and can be violent at higher temperatures if the miscibility of the reaction partners is good or is supported by stirring or by the presence of solvents. MDI is insoluble with, and heavier than water and sinks to the bottom but reacts slowly at the interface. A solid water-insoluble layer of polyurea is formed at the interface by liberating carbon dioxide gas.

10.4. Conditions to avoid

High temperature.

10.5. Incompatible materials

Amines. alcohols. acids and bases. Water.

10.6. Hazardous decomposition products

carbon oxides (CO and CO2). Nitrogen oxides. hydrocarbons. Hydrogen cyanide.

| SECTION 11: Toxicological information | on |
|--|--|
| 11.1. Information on toxicological effects | |
| Acute toxicity | : Harmful if inhaled. |
| ATE CLP (dust,mist) | 1,5 mg/l/4h |
| 4,4'-Diphenylmethane diisocyanate (101-68-8) | |
| LD50 oral rat | > 7616 mg/kg (Equivalent to or corresponding to OECD 401, Rat, Female, Read-across, Oral) |
| LD50 dermal rabbit | > 9400 mg/kg bodyweight (Equivalent to or equivalent to OECD 402, 24h, Rabbit, Male / Female, Read-across, Dermal) |
| LC50 inhalation rat (mg/l) | 0,49 mg/l air (Equivalent to or corresponding to OECD 403, 4 h, Rat, Male / female, Read- across, Inhalation (aerosol)) |
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| Polymeric MDI (9016-87-9) | |
|--|---|
| LD50 oral rat | > 10000 mg/m³ |
| LD50 dermal rabbit | > 9400 |
| Reaction mass of 4,4'-methylenediph diisocyanate | enyl diisocyanate and o-(p-isocyanatobenzyl)phenyl isocyanate / methylene diphenyl |
| LD50 oral rat | > 10000 g/kg |
| LD50 dermal rat | ≈ 50 mg/kg |
| LD50 dermal rabbit | > 9400 mg/kg |
| LC50 inhalation rat (mg/l) | 0,49 mg/l/4h |
| Skin corrosion/irritation | : Causes skin irritation. |
| Serious eye damage/irritation | : Causes serious eye irritation. |
| Respiratory or skin sensitisation | May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Suspected of causing cancer. |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : May cause respiratory irritation. |
| STOT-repeated exposure | : May cause damage to organs through prolonged or repeated exposure. |
| Aspiration hazard | : Not classified |
| PUP-TURBO | |
| Viscosity, kinematic | 370 mm²/s |

SECTION 12: Ecological information

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12.1. Toxicity
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Ecology - general

: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

| 4,4'-Diphenylmethane diisocyanate (101-68-8) | |
|---|---|
| LC50 fish 1 | > 1000 mg/l (OECD 203: Fish: Acute Toxicity Study, 96h, Danio rerio, Static System, Fresh Water, Read-across, Nominal Concentration) |
| EC50 Daphnia 1 | 129,7 mg/l (OECD 202: Acute Immobilization Study in Daphnia sp., 24h, Daphnia magna, Static System, Fresh Water, Read-across, Movement) |
| NOEC chronic crustacea | ≥ 10 mg/l |
| Polymeric MDI (9016-87-9) | |
| LC50 fish 1 | > 1000 mg/l |
| EC50 Daphnia 1 | > 1000 µg/l |
| NOEC chronic crustacea | > 10 ppm |
| Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl)phenyl isocyanate / methylene diphenyl diisocyanate diisocyanate | |
| LC50 fish 1 | > 1000 mg/l |
| NOEC (chronic) | > 10 mg/l |

12.2. Persistence and degradability

| 4,4'-Diphenylmethane diisocyanate (101-68-8) | |
|--|--|
| Water : Not biodegradable. | |
| 0 % | |
| Polymeric MDI (9016-87-9) | |
| Not readily biodegradable. | |
| 0 % | |
| | |

12.3. Bioaccumulative potential

| 4,4'-Diphenylmethane diisocyanate (101-68-8) | |
|---|---|
| BCF fish 1 | 92 – 200 (OECD 305: Bioconcentration: flow-through test with fish, 4 weeks, Cyprinus carpio, Flow-through system, Fresh water, Experimental value, GLP) |
| Bioconcentration factor (BCF REACH) | 200 |
| Partition coefficient n-octanol/water (Log Pow) | 4,51 (Experimental value, OECD 117: Partition coefficient (n-octanol / water), HPLC method, 22 ° C) |
| Bioaccumulative potential | Low bioaccumulation potential. |
| Polymeric MDI (9016-87-9) | |
| BCF fish 1 | < 14 |
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| tition coefficient n-octanol/water (Log Pov | v) ≈ 4,51 |
|---|--|
| Mobility in soil | |
| -Diphenylmethane diisocyanate (101-6 | 8-8) |
| ology - soil | No supplementary information available. |
| 12.5. Results of PBT and vPvB assessment | |
| nponent | |
| -Diphenylmethane diisocyanate (101-68- | 8) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

| SECTION 13: Disposal considerations | | |
|-------------------------------------|--|--|
| 13.1. Waste treatment methods | | |
| Waste treatment methods | : Dispose of contents/container in accordance with licensed collector's sorting instructions. Do not allow into drains or water courses. | |
| Additional information | : This material and its container must be disposed of in a safe way. | |
| European List of Waste (LoW) code | : 08 05 01* - waste isocyanates 16 03 05* - organic wastes containing dangerous substances | |

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

| 14.1. UN number | |
|--|--|
| Not regulated for transport | |
| 14.2. UN proper shipping name | |
| Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (ADN) Proper Shipping Name (RID) | Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable |
| 14.3. Transport hazard class(es) | |
| ADR | |
| Transport hazard class(es) (ADR) | : Not applicable |
| IMDG | |
| | : Not applicable |
| | |
| ΙΑΤΑ | |
| Transport hazard class(es) (IATA) | : Not applicable |
| ADN | |
| | : Not applicable |
| RID | |
| Transport hazard class(es) (RID) | : Not applicable |
| 14.4. Packing group | |
| Packing group (ADR) | : Not applicable |
| Packing group (IMDG) | : Not applicable |
| Packing group (IATA) | : Not applicable |
| Packing group (ADN) | : Not applicable |
| Packing group (RID) | : Not applicable |
| 14.5. Environmental hazards | |
| Dangerous for the environment | : No |
| Marine pollutant | : No |
| Other information | : No supplementary information available |

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| 14.6. Special precautions for user | |
|--|--|
| - Overland transport | |
| No data available | |
| Transport by sea | |
| No data available | |
| - Air transport | |
| No data available | |
| - Inland waterway transport | |
| Carriage prohibited (ADN) | : No |
| Not subject to ADN | : No |
| - Rail transport | |
| Carriage prohibited (RID) | : No |
| | ex II of MARPOL 73/78 and the IBC Code |
| Not applicable | |
| SECTION 15: Regulatory informatio | n |
| 15.1. Safety, health and environmental re | egulations/legislation specific for the substance or mixture |
| 15.1.1. EU-Regulations | |
| Contains no REACH substances with Annex XV | /II restrictions |
| Contains no substance on the REACH candidat | e list |
| Contains no REACH Annex XIV substances | |
| 15.1.2. National regulations | |
| Germany | |
| Regulatory reference | : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1) |
| Hazardous Incident Ordinance (12. BImSchV) | : Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance) |
| Netherlands | |
| SZW-lijst van kankerverwekkende stoffen | : None of the components are listed |
| SZW-lijst van mutagene stoffen | : None of the components are listed |
| NIET-limitatieve lijst van voor de voortplanting jiftige stoffen – Borstvoeding | : None of the components are listed |
| NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid | : None of the components are listed |
| NIET-limitatieve lijst van voor de voortplanting jiftige stoffen – Ontwikkeling | : None of the components are listed |
| Denmark | |
| Recommendations Danish Regulation | : Young people below the age of 18 years are not allowed to use the product |
| | Pregnant/breastfeeding women working with the product must not be in direct contact with the product |
| 15.2. Chemical safety assessment | |
| | |

SECTION 16: Other information

Full text of H- and EUH-statements:Acute Tox. 4 (Inhalation)Acute toxicity (inhal.), Category 4Acute Tox. 4 (Inhalation:dust,mist)Acute toxicity (inhalation:dust,mist) Category 4Carc. 2Carcinogenicity, Category 2Eye Irrit. 2Serious eye damage/eye irritation, Category 2Resp. Sens. 1Respiratory sensitisation, Category 1Resp. Sens. 1ARespiratory sensitisation, Category 1ASkin Irrit. 2Skin corrosion/irritation, Category 2

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| Skin Sens. 1 | Skin sensitisation, Category 1 |
|--------------|--|
| STOT RE 2 | Specific target organ toxicity — Repeated exposure, Category 2 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H335 | May cause respiratory irritation. |
| H351 | Suspected of causing cancer. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.