

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 10/08/2023 Version: 1.0

205/WB101 - 2 PACK ANTI-GRAFFITI COATING - ACTIVATOR

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

1.1. Product identifier

| Product form |
|-------------------------------|
| Product name |
| UFI |
| Product code |
| Type of product |
| Product group |
| Other means of identification |

: 10753

: Hardener

: Mixture

:

- : Blend
- : 205/WB101/T Activator

: FNMP-6223-300Y-13J9

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

1.2.1. Relevant identified uses

No additional information available

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

| Supplier | Distributor | |
|-----------------------|-------------------------|--|
| Coo-Var | Teal & Mackrill EU B.V. | |
| Lockwood Street | Queens Towers | |
| Hull – East Yorkshire | Delflandlaan 1 | |
| England | 1062 EA Amsterdam | |
| T +44 (0)1482 328053 | Netherlands | |
| info@coo-var.co.uk | T +31 (0)208 004828 | |
| | info@teamac.co.uk | |

1.4. Emergency telephone number

Emergency number

: +44 (0) 1482 328053 Coo-Var (08.30 - 16.30 hrs Mon - Thurs, 08.30 - 15.00 hrs Fri)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Acute toxicity (inhal.), Category 4H332Skin sensitisation, Category 1H317Specific target organ toxicity – Single exposure, Category 3,H335Respiratory tract irritationH317

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

Adverse physicochemical, human health and environmental effects

Harmful if inhaled. May cause respiratory irritation. May cause an allergic skin reaction.

2.2. Label elements

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

Hazard pictograms (CLP)

GHS07

Signal word (CLP)

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| Contains | : HEXAMETHYLENE-DI-ISOCYANATE; Hexamethylene diisocyanate, oligomers; Hexamethylene diisocyanate oligomers, Isocyanurate |
|--------------------------------|---|
| Hazard statements (CLP) | H317 - May cause an allergic skin reaction. H332 - Harmful if inhaled. H335 - May cause respiratory irritation. |
| Precautionary statements (CLP) | P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 - IF ON SKIN: Wash with plenty of water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |
| Extra phrases | : For professional users only. |
| 2.3. Other hazards | |

Contains no PBT/vPvB substances ≥ 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] |
|---|--|-------------|--|
| Hexamethylene diisocyanate oligomers, Isocyanurate substance with national workplace exposure limit(s) (GB) | CAS-No.: 28182-81-2 EC-No.: 931-274-8 REACH-no: 01-2119485796- 17 | ≥ 50 – < 80 | Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h) Skin Sens. 1, H317 STOT SE 3, H335 |
| Hexamethylene diisocyanate, oligomers substance with national workplace exposure limit(s) (GB) | CAS-No.: 28182-81-2 EC-No.: 500-060-2 | ≥ 30 - < 50 | Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h) Skin Sens. 1, H317 STOT SE 3, H335 |
| HEXAMETHYLENE-DI-ISOCYANATE | CAS-No.: 822-06-0 EC-No.: 212-485-8 REACH-no: 01-2119457571- 37 | < 1 | Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Acute Tox. 1 (Inhalation), H330 (ATE=0.005 mg/l/4h) Acute Tox. 3 (Inhalation:dust,mist), H331 (ATE=0.005 mg/l/4h) Skin Irrit. 2, H315 Eye Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 STOT SE 3, H335 |

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

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| : Call a poison center or a doctor if you feel unwell. |
|--|
| : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell. |
| : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. |
| : Rinse eyes with water as a precaution. |
| : Call a poison center or a doctor if you feel unwell. |
| ects, both acute and delayed |
| : May cause respiratory irritation. |
| : May cause an allergic skin reaction. |
| |

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. |
| 5.2. Special hazards arising from the subst | 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 | e measures |
|------------------------------------|---|
| 6.1. Personal precautions, protec | tive equipment 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 con | tainment and cleaning up |
| | |

| Methods for cleaning up Other information | Take up liquid spill into absorbent material. Dispose of materials or solid residues at an authorized site. |
|--|--|
| 6.4. Reference to other sections | |

For further information refer to section 13.

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| SECTION 7: Handling and storage | ge |
|---|--|
| 7.1. Precautions for safe handling | |
| Precautions for safe handling Hygiene measures | 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. 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, inc | luding any incompatibilities |
| Storage conditions | : Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool. |

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

| Hexamethylene diisocyanate, oligomers (28182-81-2) | |
|--|----------------------|
| United Kingdom - Occupational Exposure Limits | |
| WEL TWA (OEL TWA) [1] | 0.02 mg/m³ |
| WEL STEL (OEL STEL) | 0.07 mg/m³ |
| Hexamethylene diisocyanate oligomers, Isocy | anurate (28182-81-2) |
| United Kingdom - Occupational Exposure Limits | |
| WEL TWA (OEL TWA) [2] | 0.02 ppm |
| WEL STEL (OEL STEL) [ppm] | 0.07 ppm |

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

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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 symbol(s):



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. Nitrile rubber gloves. The breakthrough time of the selected gloves must be greater than the intended use period.

8.2.2.3. Respiratory protection

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

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 | : Light (or pale). |
| Appearance | : Clear, yellowish liquid. |
| Odour | : Not available |
| Odour threshold | : Not available |
| Melting point | : Not applicable |
| Freezing point | : Not available |
| Boiling point | : Not available |
| Flammability | : Non flammable. |
| Lower explosion limit | : Not available |
| Upper explosion limit | : Not available |
| Flash point | : > 120 °C OC (Open cup). |
| Auto-ignition temperature | : Not available |
| Decomposition temperature | : Not available |
| рН | : Not available |
| Viscosity, kinematic | : Not available |
| Solubility | : Miscible with water. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Vapour pressure | : Not available |
| Vapour pressure at 50°C | : Not available |
| Density | : Not available |
| Relative density | : 1.14 @ 20°C |
| | |

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| Relative vapour density at 20°C Particle characteristics | : Not available : Not applicable | |
|--|-------------------------------------|--|
| 9.2. Other information | | |
| 0.2.1. Information with regard to physical No additional information available | hazard classes | |
| 0.2.2. Other safety characteristics | | |
| /OC content | : ≈0 g/l | |

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 additional 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. Information on hazar | d classes as defined in Re | gulation (EC) No 1272/2008 |
|----------------------------|----------------------------|----------------------------|
|----------------------------|----------------------------|----------------------------|

Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation) Not classified
Not classified
Harmful if inhaled

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|--|-------------------------------|-------------------------|

| 205/WB101 - 2 PACK ANTI-GRAFFITI COATING - ACTIVATOR | | |
|--|--------------------------------------|--|
| ATE CLP (gases) | 4500 ppmv/4h | |
| ATE CLP (vapours) | 11 mg/l/4h | |
| ATE CLP (dust,mist) | 1.5 mg/l/4h | |
| Skin corrosion/irritation : | Not classified | |
| Serious eye damage/irritation : | Not classified | |
| Respiratory or skin sensitisation : | May cause an allergic skin reaction. | |
| Germ cell mutagenicity : | Not classified | |
| Carcinogenicity : | Not classified | |
| Reproductive toxicity : | Not classified | |
| STOT-single exposure : | May cause respiratory irritation. | |
| HEXAMETHYLENE-DI-ISOCYANATE (822-06-0) | | |
| STOT-single exposure | May cause respiratory irritation. | |

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| Hexamethylene diisocyanate, oligomers (28182-81-2) | |
|---|-----------------------------------|
| STOT-single exposure | May cause respiratory irritation. |
| Hexamethylene diisocyanate oligomers, Isocyanurate (28182-81-2) | |
| STOT-single exposure | May cause respiratory irritation. |
| STOT-repeated exposure : | Not classified |
| Aspiration hazard : | Not classified |

11.2. Information on other hazards

No additional information available

| SECTION 12: Ecological information | |
|--|---|
| 12.1. Toxicity | |
| Ecology - general Hazardous to the aquatic environment, short–term (acute) Hazardous to the aquatic environment, long–term (chronic) Not rapidly degradable | The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Not classified Not classified |
| 12.2. Persistence and degradability | |
| No additional information available | |
| 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 | |
| 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 | |

| Waste treatment methods | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
|-------------------------|---|
| HP Code | HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration. |
| | HP6 - "Acute Toxicity:" waste which can cause acute toxic effects following oral or derma administration, or inhalation exposure. |
| | HP13 - "Sensitising:" waste which contains one or more substances known to cause sensitising effects to the skin or the respiratory organs. |

13.1. Waste treatment methods

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SECTION 14: Transport information

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

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| ADR | IMDG | ΙΑΤΑ | ADN | RID |
|--|---|--|---|---|
| 14.1. UN number or ID n | umber | 1 | | 1 |
| UN 2281 | UN 2281 | UN 2281 | UN 2281 | UN 2281 |
| 14.2. UN proper shippin | g name | | | |
| HEXAMETHYLENE DIISOCYANATE | HEXAMETHYLENE DIISOCYANATE | Hexamethylene diisocyanate | HEXAMETHYLENE DIISOCYANATE | HEXAMETHYLENE DIISOCYANATE |
| Transport document descr | iption | | | |
| UN 2281 HEXAMETHYLENE DIISOCYANATE, 6.1, II, (D/E) | UN 2281 HEXAMETHYLENE DIISOCYANATE, 6.1, II | UN 2281 Hexamethylene diisocyanate, 6.1, II | UN 2281 HEXAMETHYLENE DIISOCYANATE, 6.1, II | UN 2281 HEXAMETHYLENE DIISOCYANATE, 6.1, II |
| 14.3. Transport hazard o | class(es) | | | |
| 6.1 | 6.1 | 6.1 | 6.1 | 6.1 |
| 6 | 6 | 6 | 6 | 6 |
| 14.4. Packing group | I | I I | | I |
| II | II | II | II | II |
| 14.5. Environmental haz | ards | | | |
| 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 informatic | n available | | | |
| 14.6. Special precaution | s for user | | | |
| Overland transport Classification code (ADR) Limited quantities (ADR) Excepted quantities (ADR) Packing instructions (ADR) Mixed packing provisions (ADR) Ortable tank and bulk contain Portable tank and bulk contain (ADR) Tank code (ADR) Tank special provisions (ADR) Vehicle for tank carriage Transport category (ADR) Special provisions for carriage and handling (ADR) Special provisions for carriage Hazard identification number Orange plates | : T1 : 100 : E4 : P0 : MF ner instructions (ADR) : T7 ner special provisions : TP : L41) : L41 : TU : AT : 2 e - Loading, unloading : CV e - Operation (ADR) : S9 | 01, IBC02 22 3H 15, TE19 713, CV28 | | |
| Funnel restriction code (ADR) EAC code | : D/E : 2Z | | | |
| Fransport by sea Limited quantities (IMDG) | : 100 |) ml | | |

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| Excepted quantities (IMDG) | : E4 |
|--|--|
| Packing instructions (IMDG) | : P001 |
| IBC packing instructions (IMDG) | : IBC02 |
| Tank instructions (IMDG) | : T7 |
| Tank special provisions (IMDG) | : TP2, TP13 |
| EmS-No. (Fire) | : F-A |
| EmS-No. (Spillage) | : S-A |
| Stowage category (IMDG) | : C |
| Stowage and handling (IMDG) | : SW2, H1 |
| Properties and observations (IMDG) | : Colourless to light yellow liquid with a pungent odour. Immiscible with water but reacts with it, evolving heat and carbon dioxide gas. When heated, evolves toxic nitrous fumes. Toxic if swallowed, by skin contact or by inhalation. Irritating to skin, eyes and mucous membranes. |
| Air transport | |
| PCA Excepted quantities (IATA) | : E4 |
| PCA Limited quantities (IATA) | : Y641 |
| PCA limited quantity max net quantity (IATA) | : 1L |
| PCA packing instructions (IATA) | : 654 |
| PCA max net quantity (IATA) | : 5L |
| CAO packing instructions (IATA) | : 662 |
| CAO max net quantity (IATA) | : 60L |
| ERG code (IATA) | : 6L |
| Inland waterway transport | |
| Classification code (ADN) | : T1 |
| Special provisions (ADN) | : 802 |
| Limited quantities (ADN) | : 100 ml |
| Excepted quantities (ADN) | : E4 |
| Equipment required (ADN) | : PP, EP, TOX, A |
| Ventilation (ADN) | : VE02 |
| Number of blue cones/lights (ADN) | : 2 |
| Rail transport | |
| Classification code (RID) | : T1 |
| Limited quantities (RID) | : 100ml |
| Excepted quantities (RID) | : E4 |
| Packing instructions (RID) | : P001, IBC02 |
| Mixed packing provisions (RID) | : MP15 |
| | : T7 |
| Portable tank and bulk container special provisions | : TP2 |
| (RID) | |
| Tank codes for RID tanks (RID) | : L4BH |
| Special provisions for RID tanks (RID) | : TU15 |
| Transport category (RID) | : 2 |
| Special provisions for carriage - Loading, unloading | |
| and handling (RID) | |
| Colis express (express parcels) (RID) | : CE5 |
| Hazard identification number (RID) | : 60 |
| | |
| and the second | |

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)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

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REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

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)

VOC Directive (2004/42)

VOC content

: ≈0 g/l

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

No additional information available

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 | |
| 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 | |

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| Abbreviations and acronyms: | | |
|-----------------------------|--|--|
| 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 | |
| РВТ | 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: | | |
|--|--|--|
| Acute Tox. 1 (Inhalation) | Acute toxicity (inhal.), Category 1 | |
| Acute Tox. 3 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 3 | |
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4 | |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 | |
| 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. | |
| H331 | Toxic 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 | |

The classification complies with

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Safety Data Sheet (SDS), EU

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.