

TIP TOP FIXPASTE REMAREP ULTRA 10 PART A

Safety Data Sheet

according to the Model Work Health and Safety Regulations

Issue date:03/12/2020 Revision date:17/01/2022 Supersedes:18/06/2021 Version: 1.3

SDS No: 00156-0498



SECTION 1: Product identifier

1.1. GHS Product identifier

Product form : Mixture
Product name : TIP TOP FIXPASTE REMAREP ULTRA 10 PART A
Product code : 525 3204, 525 3254, 525 3315

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Conveyor belt repair material

1.4. Details of manufacturer or importer

Supplier

REMA TIP TOP AG
65 Gruber Strasse
Poing 85586
Germany
T +49 (0) 8121 / 707 - 100
info@tiptop.de

Importer

REMA TIP TOP Australia Pty Ltd.
3/20 Worth Street
Chullora NSW 2190
Australia
T +61 2 8755 8400
www.rema-tiptop.com.au

E-mail address of competent person responsible for the SDS: sds@gbk-ingelheim.de

1.5. Emergency phone number

Emergency number : +61-280735031, Infotrac/GBK GmbH-ID: 93591

SECTION 2: Hazard identification

2.1. Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Acute toxicity (inhalation:dust,mist) Category 4	H332
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2A	H319
Respiratory sensitisation, Category 1	H334
Skin sensitisation, Category 1	H317
Carcinogenicity, Category 2	H351
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation	H335
Specific target organ toxicity — Repeated exposure, Category 2	H373

2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU) :



Exclamation mark Health hazard

Signal word (GHS AU) :

Danger

Contains :

Polypropylene glycol, diphenylmethane diisocyanate polymer (< 90 %); diphenylmethane-4,4'-diisocyanate (< 15 %); Diphenylmethane-2,4'-diisocyanate (< 15 %)

Hazard statements (GHS AU) :

H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H332 - Harmful if inhaled

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Precautionary statements (GHS AU)

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

: P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P261 - Avoid breathing vapours.
P264 - Wash Skin 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.
P280 - Wear eye protection, face protection, protective gloves, protective clothing.
P285 - In case of inadequate ventilation wear respiratory 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.
P304+P341 - IF INHALED: if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 - IF exposed or concerned: Get medical attention.
P312 - Call a doctor, a POISON CENTER if you feel unwell.
P333+P313 - If skin irritation or rash occurs: Get medical attention.
P337+P313 - If eye irritation persists: Get medical attention.
P342+P311 - If experiencing respiratory symptoms: Call a doctor, a POISON CENTER.
P362 - Take off contaminated clothing.
P363 - Wash contaminated clothing before reuse.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents and container to an approved waste disposal plant.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition and information on ingredients

Comments : Preparation with isocyanates.

Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Polypropylene glycol, diphenylmethane diisocyanate polymer	39420-98-9	< 90	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373
diphenylmethane-4,4'-diisocyanate	101-68-8	< 15	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373

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Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Diphenylmethane-2,4'-diisocyanate	5873-54-1	< 15	Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373

SECTION 4: First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general	: Take off immediately all contaminated clothing. In the event of persistent symptoms receive medical treatment. Move the affected person away from the contaminated area.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Apply artificial respiration if breathing stopped. Call a physician immediately.
First-aid measures after skin contact	: After contact with skin, wash immediately and thoroughly with polyethylene glycol, followed by plenty of water. Get medical advice if skin irritation persists.
First-aid measures after eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult an eye specialist.
First-aid measures after ingestion	: Do not induce vomiting. Rinse mouth out with water. Never give anything by mouth to an unconscious person. Call a physician immediately. Do not induce vomiting without medical advice.

4.2. Symptoms caused by exposure

Symptoms/effects	: May cause damage to organs through prolonged or repeated exposure. Suspected of causing cancer.
Symptoms/effects after inhalation	: Harmful if inhaled. May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Symptoms/effects after skin contact	: Causes skin irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Causes serious eye irritation.

4.3. Medical attention and special treatment

Treatment	: Keep under medical supervision for at least 48 hours.
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SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: high volume water jet.

5.2. Specific hazards arising from the chemical

General measures	: In case of vapour formation use adequate respirator. Ensure adequate air ventilation. Evacuate personnel to a safe area. Concerning personal protective equipment to use, see section 8.
Hazardous decomposition products in case of fire	: Hydrogen cyanide. Nitrogen oxides. Carbon monoxide. Carbon dioxide. Isocyanates.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
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Other information : Cool containers / tanks with spray water if possible. Do not release chemically contaminated water into drains, soil or surface waters. Sufficient measures must be taken to retain water used for extinguishing. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : In case of vapour formation use adequate respirator. Ensure adequate air ventilation. Evacuate personnel to a safe area. Concerning personal protective equipment to use, see section 8.

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. 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

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up : Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Shovel or sweep up and put in a closed container for disposal. Container should not be closed gas-tight. Container can be pressurised by carbon dioxide due to reaction with humid air and/or water.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep container tightly closed. Vapours are heavier than air and may spread along floors. Avoid contact with skin and eyes. Do not breathe vapours. Keep away from heat and sources of ignition.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Pay attention to explosion protection guidelines.
Storage conditions : Keep container tightly closed in a dry, cool and well-ventilated place.
Incompatible materials : Exothermic reaction on contact with : Acids. Bases. Water. Amines. alcohols.
Storage temperature : 15 – 35 °C
Information on mixed storage : Keep away from food, drink and animal feeding stuffs. Container can be pressurised by carbon dioxide due to reaction with humid air and/or water.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

diphenylmethane-4,4'-diisocyanate (101-68-8)	
Australia - Occupational Exposure Limits	
Local name	Methylene bisphenyl isocyanate (MDI; Diphenylmethane diisocyanate)
OES TWA [1]	0.02 mg/m ³
OES STEL	0.07 mg/m ³

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diphenylmethane-4,4'-diisocyanate (101-68-8)	
Remark (AU)	Carcinogenicity Category 2 – Suspected human carcinogen. The classification of a chemical into this category is on the basis of evidence from human and animal studies, where the evidence is not sufficiently convincing to place the chemical into Category 1 or from limited evidence of carcinogenicity in human or animal studies; Sen - Respiratory and/or Skin Sensitiser.
Regulatory reference	Workplace exposure standards for airborne contaminants (2019)

8.2. Biological Monitoring

No additional information available

8.3. Engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

8.4. Individual protection measures, such as personal protective equipment (PPE)

Hand protection : This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions. Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves. Pls. find examples in the protective gloves database under: <http://bestglove.com/site/chemrest/>

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Chemically resistant protective gloves	Nitrile rubber, Nitrile/cotton, Butyl rubber, Neoprene	6 (> 480 minutes)	≥ 0,7		EN ISO 374

Eye protection : Tightly fitting goggles (EN 166). Eyewash bottle with clean water (EN 15154)

Skin and body protection : Long sleeved protective clothing. EN ISO 6530

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

Device	Filter type	Condition	Standard
Respiratory protective device with a gas filter	Type A		EN 14387

Environmental exposure controls : Avoid release to the environment.

Other information : Do not inhale vapour. Avoid contact with skin and eyes. Wash hands before breaks and at the end of workday. Wash hands immediately after handling the product. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use.

SECTION 9: Physical and chemical properties

Physical state : Liquid
Appearance : No data available
Colour : yellowish
Odour : earthy
Odour threshold : No data available
pH : No data available
Relative evaporation rate (butylacetate=1) : No data available
Melting point / Freezing point : No data available
Boiling point : No data available
Flash point : > 200 °C
Auto-ignition temperature : No data available
Flammability (solid, gas) : No data available
Vapour pressure : Vapour pressure: < 0.00001 hPa (25 °C)
Relative density : Relative vapour density at 20 °C: 8.5
Density : Density: 1.08 – 1.12 g/cm³ (20 °C)
Solubility : Water: Reacts with water
Log Pow : No data available
Viscosity, dynamic : 2500 – 4500 mPa·s (25 °C)
Explosive properties : Product is not explosive.

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Explosive limits	: No data available
Minimum ignition energy	: No data available
VOC content	: 0 %
Fat solubility	: No data available
Solvent content	: 0 %
Solvent separation test (%)	: 0 %

SECTION 10: Stability and reactivity

Reactivity	: No decomposition if stored and applied as directed.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Reacts with: Water. Amines. alcohols. acids and bases.
Conditions to avoid	: Container can be pressurised by carbon dioxide due to reaction with humid air and/or water.
Incompatible materials	: Amines. acids and bases. Water. alcohols.
Hazardous decomposition products	: Hydrogen cyanide. Nitrogen oxides. Carbon monoxide. Carbon dioxide. Isocyanates.

SECTION 11: Toxicological information

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

ATE AU (dust,mist)	1.5 mg/l/4h
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diphenylmethane-4,4'-diisocyanate (101-68-8)

LC50 Inhalation - Rat	369 mg/m ³ Exposure duration: 4h
LC50 Inhalation - Rat (Dust/Mist)	0.369 mg/l/4h

Polypropylene glycol, diphenylmethane diisocyanate polymer (39420-98-9)

LC50 Inhalation - Rat	369 mg/m ³ Exposure duration: 4h
LC50 Inhalation - Rat (Dust/Mist)	0.369 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.

diphenylmethane-4,4'-diisocyanate (101-68-8)

STOT-single exposure	May cause respiratory irritation.
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Polypropylene glycol, diphenylmethane diisocyanate polymer (39420-98-9)

STOT-single exposure	May cause respiratory irritation.
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Diphenylmethane-2,4'-diisocyanate (5873-54-1)

STOT-single exposure	May cause respiratory irritation.
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STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

diphenylmethane-4,4'-diisocyanate (101-68-8)

STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
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Polypropylene glycol, diphenylmethane diisocyanate polymer (39420-98-9)

STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
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Diphenylmethane-2,4'-diisocyanate (5873-54-1)

STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
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Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

Other information : Do not flush into surface water or sewer system. In aqueous systems, formation of insoluble and chemically inert (inactive) polyureas.

diphenylmethane-4,4'-diisocyanate (101-68-8)

Threshold limit - Algae [1]	> 1640 mg/l EC50 Green algae (OECD 201 method)
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Polypropylene glycol, diphenylmethane diisocyanate polymer (39420-98-9)

Threshold limit - Algae [1]	> 1640 mg/l EC50 Green algae (OECD 201 method)
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12.2. Persistence and degradability

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Persistence and degradability	Not readily biodegradable.
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Biodegradation	0 % 28 d, OECD 302 C
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diphenylmethane-4,4'-diisocyanate (101-68-8)

Not rapidly degradable

Polypropylene glycol, diphenylmethane diisocyanate polymer (39420-98-9)

Not rapidly degradable

Diphenylmethane-2,4'-diisocyanate (5873-54-1)

Not rapidly degradable

12.3. Bioaccumulative potential

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Bioaccumulative potential	No data available.
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12.4. Mobility in soil

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Ecology - soil	No data available.
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12.5. Other adverse effects

Ozone : Not classified

Other adverse effects : Low hazard to waters.

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Fluorinated greenhouse gases	False
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diphenylmethane-4,4'-diisocyanate (101-68-8)	
Fluorinated greenhouse gases	False
Polypropylene glycol, diphenylmethane diisocyanate polymer (39420-98-9)	
Fluorinated greenhouse gases	False
Diphenylmethane-2,4'-diisocyanate (5873-54-1)	
Fluorinated greenhouse gases	False

SECTION 13: Disposal considerations

Waste treatment methods	: Recycling is preferred to disposal or incineration. Can be incinerated according to local regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Packaging that cannot be cleaned should be disposed of like the product. Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Empty containers should be taken for local recycling, recovery or waste disposal.

SECTION 14: Transport information

14.1. UN number

UN-No. (ADG)	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable

14.2. UN Proper Shipping Name

Proper Shipping Name (ADG)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable

14.3. Transport hazard class(es)

ADG	
Transport hazard class(es) (ADG)	: Not applicable

IMDG	
Transport hazard class(es) (IMDG)	: Not applicable

IATA	
Transport hazard class(es) (IATA)	: Not applicable

14.4. Packing group

Packing group (ADG)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable

14.5. Environmental hazards

Marine pollutant	: No
Dangerous for the environment	: No
Other information	: No supplementary information available

14.6. Special precautions for user

Specific storage requirement	: No data available
Shock sensitivity	: No data available

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14.7. Additional information

Other information : No supplementary information available

Transport by road and rail

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

14.8. Hazchem or Emergency Action Code

Hazchem Code : Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

Australian Industrial Chemicals Introduction Scheme (AICIS)

Australian Inventory of Industrial Chemicals (AICIS Inventory) status : All the chemicals contained in this product are listed introductions

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Relevant Poisons Schedule number : Labelling requirements for SUSMP do not apply to a poison that is packed and sold solely for industrial, laboratory or manufacturing use. However, this product is labelled in accordance with the Safe Work Australia "Code of Practice" for workplace substances.

15.2. International agreements

No additional information available

SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
1.1	Product code	Modified	

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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 IATA - International Air Transport Association IMDG - International Maritime Dangerous Goods RID - Regulations concerning the International Carriage of Dangerous Goods by Rail DOT - Department of Transport TDG - Transportation of Dangerous Goods REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 GHS - Globally Harmonized System of Classification, Labelling and Packaging of Chemicals IARC - International Agency for Research on Cancer vPvB - Very Persistent and Very Bioaccumulative PBT - Persistent Bioaccumulative Toxic PNEC - Predicted No-Effect Concentration CAS - CAS (Chemical Abstracts Service) number IBC-Code - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk ATE - Acute Toxicity Estimate CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 BCF - Bioconcentration factor MARPOL 73/78 - MARPOL 73/78: International Convention for the Prevention of Pollution From Ships ADG - Transport of Australian Dangerous Goods
Revision date	: 17/01/2022
Other information	: Data of sections 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities. The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge. The delivery specifications are contained in the corresponding product sheet. This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

Classification	
Acute Tox. 4 (Inhalation:dust,mist)	H332
Skin Irrit. 2	H315
Eye Irrit. 2A	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	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Resp. Sens. 1	Respiratory sensitisation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1

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Full text of H-statements	
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 therefore not be construed as guaranteeing any specific property of the product.