

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

## GLASURIT MISCHLACK AH90-20-1/5 1L Metal can

|         |                |                    |                                 |
|---------|----------------|--------------------|---------------------------------|
| Version | Revision Date: | SDS Number:        | Date of last issue: 14.03.2025  |
| 3.0     | 13.10.2025     | 000000000053159094 | Date of first issue: 05.10.2023 |

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

#### 1.1 Product identifier

|                                 |   |  |
|---------------------------------|---|--|
| Trade name                      | : | GLASURIT MISCHLACK AH90-20-1/5 1L Metal can<br>GLASURIT MISCHLACK AH90-20-1/5 1L Metal can |
| Product code                    | : | 000000000053159094   |
| Unique Formula Identifier (UFI) | : | N012-V12U-G00P-DFJF  |

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

|                              |   |   |
|------------------------------|---|---|
| Use of the Substance/Mixture | : | Spraying<br>Coatings and related products<br>Spraying |
|------------------------------|---|---|

#### 1.3 Details of the supplier of the safety data sheet

**Company:**

BASF Coatings GmbH  
Postfach 6123  
48136 Münster  
Deutschland

**Contact address:**

BASF plc  
4th and 5th Floors, 2 Stockport Exchange  
Railway Road, Stockport, SK1 3GG  
United Kingdom

Telephone: +44 161 475 3000  
E-mail address: product-safety-uk-and-ireland@basf.com

#### 1.4 Emergency telephone

International emergency number:  
Telephone: +49 180 2273-112

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

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Skin irritation, Category 2  
Eye irritation, Category 2

H315: Causes skin irritation.  
H319: Causes serious eye irritation.

### 2.2 Label elements

**Labeling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)**

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H315 Causes skin irritation.  
H319 Causes serious eye irritation.

Precautionary Statements : **Prevention:**  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ eye protection/ face protection.

**Response:**  
P302 + P352 IF ON SKIN: Wash with plenty of water.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.

### Additional Labeling

EUH208 Contains 2,4,7,9-tetramethyldec-5-yne-4,7-diol. May produce an allergic reaction.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Chemical nature : polyurethane  
organic solvent  
Water  
fillers

#### Components

| Chemical name                                | CAS-No.<br>EC-No.<br>Index-No.<br>Registration number  | Classification   | Concentration<br>(% w/w) |
|--|--|--|--------------------------|
| 2-butoxyethanol                              | 111-76-2<br>203-905-0<br>603-014-00-0<br>UK-20-9702550300-0-0000<br>UK-20-0537843089-5-0000<br>UK-20-9642318150-0-0000 | Acute Tox. 4; H302<br>Acute Tox. 4; H332<br>Skin Irrit. 2; H315<br>Eye Irrit. 2; H319  | >= 12.5 - < 15           |
| butan-2-ol                                   | 78-92-2<br>201-158-5<br>603-127-00-5<br>UK-20-0537843089-5-0000<br>UK-20-9642318150-0-0000                             | Flam. Liq. 3; H226<br>Eye Irrit. 2; H319<br>STOT SE 3; H336<br>(Central nervous system)<br>STOT SE 3; H335<br>(Respiratory system) | >= 2.5 - < 3             |
| 2,4,7,9-Tetramethyldec-5-yne-4,7-diol        | 126-86-3<br>204-809-1<br>UK-20-9702550300-0-0000<br>UK-20-0537843089-5-0000<br>UK-20-9642318150-0-0000                 | Eye Dam. 1; H318<br>Skin Sens. 1B;<br>H317<br>Aquatic Chronic 3;<br>H412   | >= 0.5 - < 1             |
| Substances with a workplace exposure limit : |  |  |                          |
| talc   | 14807-96-6<br>238-877-9<br>UK-20-9702550300-0-0000<br>UK-20-0537843089-  |  | >= 7 - < 10              |

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|  |        |  |  |
|--|--------|--|--|
|  | 5-0000 |  |  |
|--|--------|--|--|

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first-aid measures

- General advice : Never give anything by mouth to an unconscious person.  
Move out of dangerous area.  
In all cases of doubt, or when symptoms persist, seek medical attention.  
Immediately remove contaminated clothing.  
If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position).  
First aid personnel should pay attention to their own safety.
- If inhaled : If breathed in, move person into fresh air.  
If breathing is irregular or stopped, administer artificial respiration.  
If symptoms persist, call a physician.
- In case of skin contact : Do NOT use solvents or thinners.  
Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.  
If symptoms persist, call a physician.
- In case of eye contact : If easy to do, remove contact lens, if worn.  
Call a physician immediately.  
Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.
- If swallowed : Rinse mouth.  
Do NOT induce vomiting.  
If symptoms persist, call a physician.

#### 4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

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Risks : Causes skin irritation.  
Causes serious eye irritation.

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

Treatment : No known specific antidote.  
Treat symptomatically.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Water spray jet  
Dry powder  
Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media : High volume water jet

### 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire fighting : Hazardous decomposition products formed under fire conditions.

### 5.3 Advice for firefighters

Special protective equipment for fire-fighters : Appropriate breathing apparatus may be required.

Further information : Cool containers/tanks with water spray.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Avoid breathing vapours.  
For non-emergency personnel:  
Use personal protective equipment.  
Ensure adequate ventilation, especially in confined areas.

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Keep away from sources of ignition.  
For emergency responders:  
Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

### 6.2 Environmental precautions

Environmental precautions : Do not allow uncontrolled discharge of product into the environment.  
Avoid subsoil penetration.  
If the product contaminates rivers and lakes or drains inform respective authorities.

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Ensure adequate ventilation.  
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

### 6.4 Reference to other sections

For disposal considerations see section 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Provide good ventilation of working area (local exhaust ventilation if necessary).  
Do not return residues to the storage containers.  
Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws.  
When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.  
The workplace should be equipped with an emergency shower and eye-rinsing facility.  
Avoid contact with the skin, eyes and clothing.  
Handle in accordance with good industrial hygiene and safety practice.  
Do not breathe vapors or spray mist.

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Advice on protection against fire and explosion : Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapors are heavier than air and spread along floors. Vapor forms explosive mixtures with air.

The relevant fire protection measures should be noted. Use explosion-proof equipment. Vapors may form explosive mixtures with air.

Hygiene measures : Remove contaminated clothing immediately and dispose of safely. Wash hands before breaks and at the end of workday. Keep away from food, drink and animal feedingstuffs.

### 7.2 Conditions for safe storage, including any incompatibilities

Further information on storage conditions : Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Keep in a dry, cool and well-ventilated place.

Advice on common storage : Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Packaging material : Suitable material: Carbon steel (Iron), tinned carbon steel (Tinplate), High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephthalate (PET), Polypropylene

### 7.3 Specific end use(s)

Specific use(s) : Please refer to the technical leaflet for further information.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

| Components   | CAS-No.  | Value type (Form of exposure) | Control parameters              | Basis   |
|--|----------|-------------------------------|---------------------------------|---------|
| 2-butoxyethanol  | 111-76-2 | TWA                           | 25 ppm<br>123 mg/m <sup>3</sup> | GB EH40 |
| Further information: Can be absorbed through the skin. The assigned sub- |          |                               |                                 |         |

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|            |            |  |                                  |            |
|------------|------------|--|----------------------------------|------------|
|            |            | stances are those for which there are concerns that dermal absorption will lead to systemic toxicity.  |                                  |            |
|            |            | STEL   | 50 ppm<br>246 mg/m <sup>3</sup>  | GB EH40    |
|            |            | Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. |                                  |            |
|            |            | TWA  | 20 ppm<br>98 mg/m <sup>3</sup>   | 2000/39/EC |
|            |            | Further information: Identifies the possibility of significant uptake through the skin, Indicative   |                                  |            |
|            |            | STEL   | 50 ppm<br>246 mg/m <sup>3</sup>  | 2000/39/EC |
|            |            | Further information: Identifies the possibility of significant uptake through the skin, Indicative   |                                  |            |
| talc       | 14807-96-6 | TWA (Respirable dust)  | 1 mg/m <sup>3</sup>              | GB EH40    |
| butan-2-ol | 78-92-2    | TWA  | 100 ppm<br>308 mg/m <sup>3</sup> | GB EH40    |
|            |            | STEL   | 150 ppm<br>462 mg/m <sup>3</sup> | GB EH40    |

### Biological occupational exposure limits

| Substance name  | CAS-No.  | Control parameters   | Sampling time | Basis          |
|-----------------|----------|--|---------------|----------------|
| 2-butoxyethanol | 111-76-2 | butoxyacetic acid:<br>240 Millimoles per mole creatinine (Urine) | After shift   | GB EH40<br>BAT |

### 8.2 Exposure controls

#### Engineering measures

Ensure adequate ventilation.

#### Personal protective equipment

Eye/face protection : Required when there is a risk of eye contact.  
Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Hand protection

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- Remarks : Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g. butyl rubber gloves - material thickness: 0.5 mm  
Further information on penetration time is available from the manufacturer of the glove.  
Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.  
The suitability for a specific workplace should be discussed with the producers of the protective gloves.  
Request information on glove permeation properties from the glove supplier.  
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.  
Preventive skin protection  
Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)  
Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):  
Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)
- Skin and body protection : Anti-static protective clothing  
Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.
- Respiratory protection : Suitable respiratory equipment:  
half-mask with A1P2 class combination filter  
In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.  
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
- Protective measures : Do not breathe vapour/spray.  
Eye wash fountains and safety showers must be easily accessible.
- If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.
- Avoid contact with the skin, eyes and clothing.  
Handle in accordance with good industrial hygiene and safety practice.

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### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

|  |   |   |
|--|---|---|
| Appearance                                       | : | liquid  |
| Color  | : | various   |
| Odor   | : | of glycol   |
| pH   | : | 7.0 - 9.0   |
| Melting point/ range                             | : | not determined  |
| Boiling point/boiling range                      | : | not determined  |
| Flash point                                      | : | > 61 °C<br>Method: ISO 3679                                     |
| Upper explosion limit / Upper flammability limit | : | not determined  |
| Lower explosion limit / Lower flammability limit | : | > 35.0 g/m <sup>3</sup>   |
| Vapor pressure                                   | : | not determined (20 °C)<br>not determined (50 °C)                |
| Relative vapor density                           | : | Lighter than air.   |
| Density  | : | 1.036 g/cm <sup>3</sup> (20 °C)                                 |
| Solubility(ies)                                  | : |   |
| Water solubility                                 | : | not determined  |
| Partition coefficient: n-octanol/water           | : | not applicable for mixtures                                     |
| Autoignition temperature                         | : | > 200 °C  |
| Decomposition temperature                        | : | No decomposition if stored and handled as prescribed/indicated. |
| Viscosity  | : |   |
| Viscosity, kinematic                             | : | 97.3 mm <sup>2</sup> /s (23 °C)<br>not determined (40 °C)       |
| Flow time  | : | > 72 s at 23 °C<br>Cross section: 4 mm                          |

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Method: ISO 2431

Explosive properties : Not explosive  
Oxidizing properties : The substance or mixture is not classified as oxidizing.

### 9.2 Other information

Flammability (liquids) : Combustible liquid.  
Self-heating substances : The substance or mixture is not classified as self heating.  
Metal corrosion rate : Not corrosive to metals.  
Particle size : The substance / product is marketed or used in a non solid or granular form.

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Vapours may form ignitable mixture with air.

### 10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.  
Avoid direct sunlight.

### 10.5 Incompatible materials

Materials to avoid : Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

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### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

Based on available data, the classification criteria are not met.

##### Product:

Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg  
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: > 20 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor  
Method: Calculation method

##### Components:

##### **2-butoxyethanol:**

Acute oral toxicity : LD50 (guinea pig): 1,200 mg/kg

##### **Skin corrosion/irritation**

Causes skin irritation.

##### **Serious eye damage/eye irritation**

Causes serious eye irritation.

##### **Respiratory or skin sensitization**

##### **Skin sensitization**

Based on available data, the classification criteria are not met.

##### **Respiratory sensitization**

Based on available data, the classification criteria are not met.

##### **Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

##### **Carcinogenicity**

Based on available data, the classification criteria are not met.

##### **Reproductive toxicity**

Based on available data, the classification criteria are not met.

##### **STOT-single exposure**

Based on available data, the classification criteria are not met.

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### STOT-repeated exposure

Based on available data, the classification criteria are not met.

### Aspiration toxicity

Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1 Toxicity

No data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

#### Components:

##### **2-butoxyethanol:**

Partition coefficient: n-octanol/water : log Pow: 0.81 (25 °C)  
GLP: no

##### **butan-2-ol:**

Partition coefficient: n-octanol/water : log Pow: 0.61  
GLP: no  
Remarks: Information taken from reference works and the literature.

##### **2,4,7,9-Tetramethyldec-5-yne-4,7-diol:**

Partition coefficient: n-octanol/water : log Pow: 2.64

##### **talc:**

Partition coefficient: n-octanol/water : log Pow: -9.4 (25 °C)  
pH: 7  
GLP: no

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or

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very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Other adverse effects

#### Product:

Endocrine disrupting potential : This substance/mixture does not contain components considered to have endocrine disrupting properties for environment according to UK REACH Article 57(f) at levels of 0.1% or higher.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Do not discharge into drains/surface waters/groundwater. Observe national and local legal requirements.

Contaminated packaging : Packaging that is not properly emptied must be disposed of as the unused product.

## SECTION 14: Transport information

### 14.1 UN number

ADN : Not regulated as a dangerous good

ADR : Not regulated as a dangerous good

RID : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA : Not regulated as a dangerous good

### 14.2 UN proper shipping name

ADN : Not regulated as a dangerous good

ADR : Not regulated as a dangerous good

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### 14.3 Transport hazard class(es)

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**IMDG** : Not regulated as a dangerous good  
**IATA** : Not regulated as a dangerous good

### 14.4 Packing group

**ADN** : Not regulated as a dangerous good  
**ADR** : Not regulated as a dangerous good  
**RID** : Not regulated as a dangerous good  
**IMDG** : Not regulated as a dangerous good  
**IATA (Cargo)** : Not regulated as a dangerous good  
**IATA (Passenger)** : Not regulated as a dangerous good

### 14.5 Environmental hazards

Not regulated as a dangerous good

### 14.6 Special precautions for user

Not applicable

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17) : Conditions of restriction for the following entries should be considered: Number on list 3

UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation : Not applicable

The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain) : Not applicable

Regulation (EU) No 2024/590 on substances that deplete the ozone layer : Not applicable

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According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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## GLASURIT MISCHLACK AH90-20-1/5 1L Metal can

|         |                |                        |                                 |
|---------|----------------|------------------------|---------------------------------|
| Version | Revision Date: | SDS Number:            | Date of last issue: 14.03.2025  |
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UK REACH List of substances subject to authorisation (Annex XIV) : Not applicable  
Control of Major Accident Hazards Regulations 2015 (COMAH) : Not applicable

Volatile organic compounds : Volatile organic compounds (VOC) content: 420 g/l

Directive 2010/75/EU of 24 November 2010 on industrial and livestock rearing emissions (integrated pollution prevention and control)

Volatile organic compounds (VOC) content: 15.8 %

### Other regulations:

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to new and expectant mothers at work contained in Regulation 16 to 18) and of the Pregnant Workers Directive 92/85/EEC.

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to protection of young people at work contained in Regulation 19) and of Directive 94/33/EC on the protection of young people at work.

### 15.2 Chemical Safety Assessment

Assessment of safe use has been performed for the mixture and the result is documented in section 7 and 8 of the SDS

## SECTION 16: Other information

### Full text of H-Statements

|      |  |
|------|--|
| H226 | : Flammable liquid and vapor.                        |
| H302 | : Harmful if swallowed.                              |
| H315 | : Causes skin irritation.                            |
| H317 | : May cause an allergic skin reaction.               |
| H318 | : Causes serious eye damage.                         |
| H319 | : Causes serious eye irritation.                     |
| H332 | : Harmful if inhaled.                                |
| H335 | : May cause respiratory irritation.                  |
| H336 | : May cause drowsiness or dizziness.                 |
| H412 | : Harmful to aquatic life with long lasting effects. |

### Full text of other abbreviations

|                 |                                      |
|-----------------|--------------------------------------|
| Acute Tox.      | : Acute toxicity                     |
| Aquatic Chronic | : Long-term (chronic) aquatic hazard |
| Eye Dam.        | : Serious eye damage                 |
| Eye Irrit.      | : Eye irritation                     |
| Flam. Liq.      | : Flammable liquids                  |
| Skin Irrit.     | : Skin irritation                    |

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Skin Sens. : Skin sensitization  
STOT SE : Specific target organ toxicity - single exposure  
2000/39/EC : Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values  
GB EH40 : UK. EH40 WEL - Workplace Exposure Limits  
GB EH40 BAT : UK. Biological monitoring guidance values  
2000/39/EC / TWA : Limit Value - eight hours  
2000/39/EC / STEL : Short term exposure limit  
GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)  
GB EH40 / STEL : Short-term exposure limit (15-minute reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

### Further information

Other information : For multi-pack systems observe material safety data sheets of

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all components.  
Restricted to professional users.

### Classification of the mixture:

|               |      |
|---------------|------|
| Skin Irrit. 2 | H315 |
| Eye Irrit. 2  | H319 |

### Classification procedure:

|                    |
|--------------------|
| Calculation method |
| Calculation method |

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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