



# Safety Data Sheet

according to Regulation (EC) No. 453/2010

|           |   |   |
|-----------|---|---|
| R-phrases | : | R36: Irritating to eyes.  |
| S-phrases | : | S23: Do not breath vapor or spray.  |
|           | : | S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice |
|           | : | S51: Use only in well-ventilated area.  |

## 2.3. Other hazards

Product may cause skin irritation through prolonged and direct contact.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                                    | Product identifier | %      | Classification according to Directive 67/548/EEC |
|---|--------------------|--------|--|
| Diethylene glycol monobutyl ether       | 203.96-6           | 5 - 10 | Xi; R36  |
| Tetrasodium ethylenediaminetetraacetate | 200-573-9          | 2 - 5  | Xn (Xi); R22-41                                  |
|   |                    |        |  |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |   |   |
|---------------------------------------|---|---|
| First-aid measures after inhalation   | : | If respiratory irritation occurs upon inhalation, remove to fresh air. Seek medical attention if symptoms develop or persist.   |
| First-aid measures after skin contact | : | If splashed or spilled on skin, rinse with plenty of water.   |
| First-aid measures after eye contact  | : | Immediately flush eyes thoroughly with water for at least 15 minutes.   |
| First-aid measures after ingestion    | : | Seek medical attention immediately. If the person is fully conscious, make him/her drink water. Never give an unconscious person anything to drink. Do not induce vomiting. |

### 4.2. Most important symptoms and effects, both acute and delayed Symptoms/injuries

|                                     |   |  |
|-------------------------------------|---|--|
| after skin contact                  | : | Skin areas may become irritated.   |
| Symptoms/injuries after eye contact | : | May cause irritation or damage to the eyes.  |
| Symptoms/injuries after inhalation  | : | May cause chronic nasal passage, throat, or lung irritation if breathed over a prolonged period of time in the form of a mist. |
| Symptoms/injuries after ingestion   | : | Ingestion may cause immediate pain and severe burns of the mucous membranes.   |

### 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:  | : | Use water spray, foam, dry powder, or CO <sub>2</sub> . |
| Unsuitable extinguishing media | : | None known.   |

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

|             |   |   |
|-------------|---|---|
| Fire hazard | : | In case of fire, the following can be released: Carbon oxides (CO <sub>x</sub> ), nitrogen oxides (NO <sub>x</sub> ). |
| Reactivity  | : | Keep away from open flames and/or high heat.  |

### 5.3. Advice for firefighters

|                                       |   |  |
|---------------------------------------|---|--|
| Protective equipment for firefighters | : | Wear proper protective equipment. Extra personal protection: complete protective clothing. |
|---------------------------------------|---|--|

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

|                      |   |   |
|----------------------|---|---|
| Protective equipment | : | Chemical resistant gloves. Use splash goggles when eye contact due to splashing is possible.    |
| Emergency procedures | : | Avoid contact with skin and eyes. Do not allow the product to be released into the environment. |

#### 6.1.2. For emergency responders

|                      |   |  |
|----------------------|---|--|
| Protective equipment | : | Chemical resistant gloves. Use splash goggles when eye contact due to splashing is possible.         |
| Emergency procedures | : | Avoid contact with skin and eyes. Do not allow uncontrolled leakage of product into the environment. |

### 6.2. Environmental precautions

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Avoid release to the environment. Prevent entry to sewers and public waters.

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

Methods for cleaning up : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. For large spills, dike with dirt, then remove by vacuum truck for disposal.

## 6.4. Reference to other sections

Refer to sections 8 and 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes.  
Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

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

Technical measures: : Provide adequate ventilation.  
Storage condition(s) : Store in dry, cool, well-ventilated area.

### 7.3. Specific end use(s)

No data available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

### 8.2. Exposure controls

Appropriate engineering controls : Ensure adequate ventilation.  
Personal protective equipment : Chemical resistant gloves. Protective goggles.



Hand protection : Chemical resistant gloves.  
Eye protection : Wear chemical splash goggle.  
Skin and body protection : Protective apron, protective clothing. Wear suitable protective clothing.  
Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

## SECTION 9: Physical and chemical properties

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

Physical state : Liquid  
Appearance : Thin liquid Colour : Clear, colorless  
Odour : No data available  
Odour threshold : No data available  
pH : 11 - 12  
Relative evaporation rate (butylacetate=1) : No data available  
Melting point : No data available  
Freezing point : No data available  
Boiling point : No data available  
Flash point : No data available  
Self ignition temperature : No data available  
Decomposition temperature : No data available  
Flammability (solid, gas) : No data available  
Vapour pressure : No data available  
Relative vapour density at 20 °C : No data available  
Relative density : 0.95 - 1.05  
Solubility : Miscible with water  
Log Pow : No data available  
Log Kow : No data available  
Viscosity, kinematic : No data available  
Viscosity, dynamic : No data available  
Explosive properties : Not explosive  
Oxidising properties : Not oxidizing

### 9.2. Other information

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No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions of use.

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

No data available

### 10.5. Incompatible materials

Strong oxidizing agents, strong reducing agents

### 10.6. Hazardous decomposition products

None known.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|  |   |
|--|---|
| Acute toxicity                                     | : Not classified  |
| Skin corrosion/irritation                          | : No significant effects anticipated  |
| Serious eye damage/irritation                      | : Causes eye irritation<br>pH: 11 - 12  |
| Respiratory or skin sensitisation                  | : May cause chronic nasal passage, throat, or lung irritation if breathed over a prolonged period of time in the form of a mist |
| Germ cell mutagenicity                             | : Not classified  |
| Carcinogenicity                                    | : Not classified  |
| Reproductive toxicity                              | : Not classified  |
| Specific target organ toxicity (single exposure)   | : Not classified  |
| Specific target organ toxicity (repeated exposure) | : Not classified  |
| Aspiration hazard                                  | : Not classified  |

## SECTION 12: Ecological information

### 12.1. Toxicity

No significant harmful effects anticipated.

### 12.2. Persistence and degradability

Soluble in water.

### 12.3. Bioaccumulative potential

The organic part of the product is biodegradable.

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

No data available

### 12.6. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|                                |  |
|--------------------------------|--|
| Regional legislation (waste)   | : Dispose of contents/container to comply with applicable local, national and international regulations. |
| Waste disposal recommendations | : Comply with local regulations for disposal.  |

## SECTION 14: Transport information

Not a dangerous good in sense of transport regulations

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

### 15.1.1. EU-Regulations

Contains no REACH candidate substance Other regulations, restrictions and prohibition Regulations

Compliance with following regulations: Regulation (EC) 1907/2006 as amended. Regulation (EC) 1272/2008 as amended. Directive 1999/45/EC as amended. Directive 67/548/EEC as amended

### 15.1.2. National regulations

No data available

## 15.2. Chemical safety assessment

CSA has not been established

## SECTION 16: Other information

Sources of Key data : MSDS.

Abbreviations and acronyms : ACGIH (American Conference of Government Industrial Hygienists). ASTM - American Society for Testing and Materials . CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. EC - European Community. GHS - Globally Harmonised System. HMIS - Hazardous Materials Identification System. MSDS - Material Safety Data Sheet. OSHA - Occupational Safety and Health Administration. Overland transport (ADR). PEL- Permissible Exposure Level. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. Relat - Relative. SDS - Safety Data Sheet . STEL- Short-Term Exposure Limit . TLV- Threshold Limit Value. TWA- Time Weighted Average.

Full text of R-, H- and EUH-phrases::

|                           |   |
|---------------------------|---|
| Acute Tox. 4 (Dermal)     | Acute toxicity (dermal) Category 4  |
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhalation) Category 4  |
| Acute Tox. 4 (Oral)       | Acute toxicity (oral) Category 4  |
| Aquatic Acute 1           | Hazardous to the aquatic environment - Acute Hazard Category 1                                  |
| Aquatic Chronic 1         | Hazardous to the aquatic environment - Chronic Hazard Category 1                                |
| Aquatic Chronic 2         | Hazardous to the aquatic environment - Chronic Hazard Category 2                                |
| Eye Dam. 1                | Serious eye damage/eye irritation Category 1  |
| Eye Irrit. 2              | Serious eye damage/eye irritation Category 2  |
| Flam. Liq. 3              | flammable liquids Category 3  |
| Skin Corr. 1B             | skin corrosion/irritation Category 1B   |
| 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                                     |
| H226                      | Flammable liquid and vapour   |
| H302                      | Harmful if swallowed  |
| H312                      | Harmful in contact with skin  |
| H314                      | Causes severe skin burns and eye damage   |
| 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  |
| H400                      | Very toxic to aquatic life  |
| H410                      | Very toxic to aquatic life with long lasting effects  |
| H411                      | Toxic to aquatic life with long lasting effects   |
| R10                       | Flammable   |
| R20/21/22                 | Harmful by inhalation, in contact with skin and if swallowed                                    |
| R34                       | Causes burns  |
| R36                       | Irritating to eye   |
| R36/37/38                 | Irritating to eyes, respiratory system and skin   |
| R38                       | Irritating to skin  |
| R41                       | Risk of serious damage to eyes  |
| R43                       | May cause sensitisation by skin contact   |
| R50/53                    | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment |
| R51/53                    | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment      |
| R52                       | Harmful to aquatic organisms  |
| C                         | Corrosive   |
| N                         | Dangerous for the environment   |
| Xi                        | Irritant  |
| Xn                        | Harmful   |