

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

1.1. Product identifier

Product form : Mixture
 Product Name : Heparinase I, recombinant

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Use for reversal of heparin in samples that may contain heparin on the TEG® system.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Haemonetics
 400 Wood Road
 Braintree, MA 02184

1.4. Emergency telephone number

Emergency number : (800) 438-2834

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Acute Tox. 4 (Oral) H302

Aquatic Chronic 3 H412

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning
 Hazard statements (CLP) : H302 - Harmful if swallowed
 H412 - Harmful to aquatic life with long lasting effects
 Precautionary statements (CLP) : P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
 P270 - Do not eat, drink or smoke when using this product.
 P273 - Avoid release to the environment.
 P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
 P330 - Rinse mouth.
 P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.
 EUH-statements : EUH032 - Contact with acids liberates very toxic gas

2.3. Other hazards

Other hazards not contributing to the classification : Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

SECTION 3: Composition/information on ingredients
3.1. Substance

Not applicable

3.2. Mixture

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|-----------------------------|--|---------|---|
| Trehalose dihydrate | (CAS No) 6138-23-4 (EC no) 612-140-5 | 80 - 90 | Not classified |
| Ammonium sulfate | (CAS No) 7783-20-2 (EC no) 231-984-1 | 5 - 10 | Not classified |
| Lyase, heparin (heparinase) | (CAS No) 9025-39-2 | < 5 | Not classified |
| Sodium azide | (CAS No) 26628-22-8 (EC no) 247-852-1 (EC index no) 011-004-00-7 | < 2 | Acute Tox. 2 (Oral), H300 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |

Full text of H-statements: see section 16

SECTION 4: First aid measures
4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Using proper respiratory protection, move the exposed person to fresh air at once. Encourage exposed person to cough, spit out, and blow nose to remove dust. Immediately call a poison center, physician, or emergency medical service.
- First-aid measures after skin contact : Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.
- First-aid measures after eye contact : Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

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

- Symptoms/injuries : Harmful if swallowed. May cause damage to organs through prolonged or repeated exposure.
- Symptoms/injuries after inhalation : Dust may be harmful or cause irritation.
- Symptoms/injuries after skin contact : Prolonged exposure may cause skin irritation.
- Symptoms/injuries after eye contact : May cause slight irritation to eyes.
- Symptoms/injuries after ingestion : This material is harmful orally and can cause adverse health effects or death in significant amounts.
- Chronic symptoms : May cause damage to organs through prolonged or repeated exposure.

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

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: Firefighting measures
5.1. Extinguishing media

- Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
- Unsuitable extinguishing media : Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Combustible Dust.
- Explosion hazard : Dust explosion hazard in air.
- Reactivity : Hazardous reactions will not occur under normal conditions.

5.3. Advice for firefighters

- Precautionary measures fire : Exercise caution when fighting any chemical fire.
- Firefighting instructions : Use water spray or fog for cooling exposed containers.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.
- Other information : Do not allow run-off from fire fighting to enter drains or water courses. Risk of dust explosion.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid breathing dust. Avoid all contact with skin, eyes, or clothing. Avoid generating dust. Remove ignition sources. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.

6.1.1. For non-emergency personnel

Protective equipment : Use appropriate personal protection equipment (PPE).
 Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

For containment : Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams. Avoid generation of dust during clean-up of spills.
 Methods for cleaning up : Clean up spills immediately and dispose of waste safely. Contact competent authorities after a spill. Use explosion proof vacuum during cleanup, with appropriate filter. Do not mix with other materials. Vacuum clean-up is preferred. If sweeping is required use a dust suppressant. Use only non-sparking tools.

6.4. Reference to other sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Accumulation and dispersion of dust with an ignition source can cause a combustible dust explosion. Keep dust levels to a minimum and follow applicable regulations.

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid breathing dust. Handle empty containers with care because they may still present a hazard. Do not get in eyes, on skin, or on clothing. Avoid contact with skin, eyes and clothing. Avoid creating or spreading dust. Keep away from heat, sparks, open flames, hot surfaces. – No smoking.

Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations. Avoid creating or spreading dust. Use explosion-proof electrical, ventilating, lighting equipment. Proper grounding procedures to avoid static electricity should be followed.

Storage conditions : Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible products : Strong acids, strong bases, strong oxidizers.

Incompatible materials : Sources of ignition. Direct sunlight.

Storage temperature : 2 - 8 °C

7.3. Specific end use(s)

Use for reversal of heparin in samples that may contain heparin in testing on the TEG® system.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| | | |
|-------------------------------------|-------------------|------------|
| Ammonium sulfate (7783-20-2) | | |
| Bulgaria | OEL TWA (mg/m³) | 10,0 mg/m³ |
| Sodium azide (26628-22-8) | | |
| EU | IOELV TWA (mg/m³) | 0,1 mg/m³ |

| Sodium azide (26628-22-8) | | |
|----------------------------------|--|--|
| EU | IOELV STEL (mg/m ³) | 0,3 mg/m ³ |
| Austria | MAK (mg/m ³) | 0,1 mg/m ³ |
| Austria | MAK Short time value (mg/m ³) | 0,3 mg/m ³ |
| Austria | OEL chemical category (AT) | Skin notation |
| Belgium | OEL chemical category (BE) | Skin, Skin notation |
| Bulgaria | OEL TWA (mg/m ³) | 0,1 mg/m ³ |
| Bulgaria | OEL STEL (mg/m ³) | 0,3 mg/m ³ |
| Croatia | GVI (granična vrijednost izloženosti) (mg/m ³) | 0,1 mg/m ³ |
| Croatia | KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³) | 0,3 mg/m ³ |
| Croatia | OEL chemical category (HR) | Skin notation |
| Cyprus | OEL TWA (mg/m ³) | 0,1 mg/m ³ |
| Cyprus | OEL STEL (mg/m ³) | 0,3 mg/m ³ |
| Cyprus | OEL chemical category (CY) | Skin-potential for cutaneous absorption |
| France | VLE (mg/m ³) | 0,3 mg/m ³ (restrictive limit) |
| France | VME (mg/m ³) | 0,1 mg/m ³ (restrictive limit) |
| France | OEL chemical category (FR) | Risk of cutaneous absorption |
| Germany | TRGS 900 Occupational exposure limit value (mg/m ³) | 0,2 mg/m ³ |
| Gibraltar | OEL TWA (mg/m ³) | 0,1 mg/m ³ |
| Gibraltar | OEL STEL (mg/m ³) | 0,3 mg/m ³ |
| Gibraltar | OEL chemical category (GI) | Skin notation |
| Greece | OEL TWA (mg/m ³) | 0,3 mg/m ³ |
| Greece | OEL TWA (ppm) | 0,1 ppm |
| Greece | OEL STEL (mg/m ³) | 0,3 mg/m ³ |
| Greece | OEL STEL (ppm) | 0,1 ppm |
| USA ACGIH | ACGIH Ceiling (mg/m ³) | 0,29 mg/m ³ |
| USA ACGIH | ACGIH Ceiling (ppm) | 0,11 ppm (vapor) |
| Italy | OEL TWA (mg/m ³) | 0,1 mg/m ³ |
| Italy | OEL STEL (mg/m ³) | 0,3 mg/m ³ |
| Italy | OEL chemical category (IT) | skin - potential for cutaneous absorption |
| Latvia | OEL TWA (mg/m ³) | 0,1 mg/m ³ |
| Latvia | OEL chemical category (LV) | skin - potential for cutaneous exposure |
| Spain | VLA-ED (mg/m ³) | 0,1 mg/m ³ (indicative limit value) |
| Spain | VLA-EC (mg/m ³) | 0,3 mg/m ³ |
| Spain | OEL chemical category (ES) | skin - potential for cutaneous exposure |
| Switzerland | VLE (mg/m ³) | 0,4 mg/m ³ (inhalable dust) |
| Switzerland | VME (mg/m ³) | 0,2 mg/m ³ (inhalable dust) |
| Netherlands | Grenswaarde TGG 8H (mg/m ³) | 0,1 mg/m ³ |
| Netherlands | Grenswaarde TGG 15MIN (mg/m ³) | 0,3 mg/m ³ |
| United Kingdom | WEL TWA (mg/m ³) | 0,1 mg/m ³ |
| United Kingdom | WEL STEL (mg/m ³) | 0,3 mg/m ³ |
| United Kingdom | WEL chemical category | Potential for cutaneous absorption |
| Czech Republic | Expoziční limity (PEL) (mg/m ³) | 0,1 mg/m ³ |
| Czech Republic | OEL chemical category (CZ) | Potential for cutaneous absorption |
| Denmark | Grænseværdie (langvarig) (mg/m ³) | 0,1 mg/m ³ |

| Sodium azide (26628-22-8) | | |
|----------------------------------|--|---|
| Estonia | OEL TWA (mg/m ³) | 0,1 mg/m ³ |
| Estonia | OEL STEL (mg/m ³) | 0,3 mg/m ³ |
| Estonia | OEL chemical category (ET) | Sensitizer, Skin notation |
| Finland | HTP-arvo (8h) (mg/m ³) | 0,1 mg/m ³ |
| Finland | HTP-arvo (15 min) | 0,3 mg/m ³ |
| Finland | OEL chemical category (FI) | Potential for cutaneous absorption |
| Hungary | AK-érték | 0,1 mg/m ³ |
| Hungary | CK-érték | 0,3 mg/m ³ |
| Ireland | OEL (8 hours ref) (mg/m ³) | 0,1 mg/m ³ |
| Ireland | OEL (15 min ref) (mg/m ³) | 0,3 mg/m ³ |
| Ireland | OEL chemical category (IE) | Potential for cutaneous absorption |
| Lithuania | IPRV (mg/m ³) | 0,1 mg/m ³ |
| Lithuania | TPRV (mg/m ³) | 0,3 mg/m ³ |
| Lithuania | OEL chemical category (LT) | Skin notation |
| Malta | OEL TWA (mg/m ³) | 0,1 mg/m ³ |
| Malta | OEL STEL (mg/m ³) | 0,3 mg/m ³ |
| Malta | OEL chemical category (MT) | Possibility of significant uptake through the skin |
| Norway | Grenseverdier (AN) (mg/m ³) | 0,1 mg/m ³ |
| Norway | Grenseverdier (Korttidsverdi) (mg/m ³) | 0,1 mg/m ³ |
| Poland | NDS (mg/m ³) | 0,1 mg/m ³ |
| Poland | NDSCh (mg/m ³) | 0,3 mg/m ³ |
| Romania | OEL TWA (mg/m ³) | 0,1 mg/m ³ |
| Romania | OEL STEL (mg/m ³) | 0,3 mg/m ³ |
| Romania | OEL chemical category (RO) | Skin notation |
| Slovakia | NPHV (priemerná) (mg/m ³) | 0,1 mg/m ³ |
| Slovakia | NPHV (Hraničná) (mg/m ³) | 0,3 mg/m ³ |
| Slovakia | OEL chemical category (SK) | Potential for cutaneous absorption |
| Slovenia | OEL TWA (mg/m ³) | 0,1 mg/m ³ |
| Slovenia | OEL STEL (mg/m ³) | 0,3 mg/m ³ |
| Slovenia | OEL chemical category (SL) | Potential for cutaneous absorption |
| Sweden | nivågränsvärde (NVG) (mg/m ³) | 0,1 mg/m ³ |
| Sweden | kortidsvärde (KTV) (mg/m ³) | 0,3 mg/m ³ |
| Sweden | OEL chemical category (SE) | Skin notation |
| Portugal | OEL TWA (mg/m ³) | 0,1 mg/m ³ (indicative limit value) |
| Portugal | OEL STEL (mg/m ³) | 0,3 mg/m ³ (indicative limit value) |
| Portugal | OEL - Ceilings (mg/m ³) | 0,29 mg/m ³ |
| Portugal | OEL - Ceilings (ppm) | 0,11 ppm (vapor) |
| Portugal | OEL chemical category (PT) | A4 - Not Classifiable as a Human Carcinogen, skin - potential for cutaneous exposure indicative limit value |

8.2. Exposure controls

Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Use local exhaust or general dilution ventilation or other suppression methods to maintain dust levels below exposure limits. Power equipment should be equipped with proper dust collection devices. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment.

Personal protective equipment : Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



Materials for protective clothing : Chemically resistant materials and fabrics.

Hand protection : Wear protective gloves.

Eye protection : Chemical safety goggles.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other information : When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|---------------------|
| Physical state | : Solid |
| Colour | : No data available |
| Odour | : No data available |
| Odour threshold | : No data available |
| pH | : No data available |
| Evaporation rate | : No data available |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : No data available |
| Auto-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 |
| Solubility | : Water: Soluble |
| Partition coefficient: n-octanol/water | : No data available |
| Viscosity | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Hazardous reactions will not occur under normal conditions.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Direct sunlight, extremely high or low temperatures, and incompatible materials. Sparks, heat, open flame and other sources of ignition. Dust accumulation (to minimize explosion hazard).

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizers. Heavy metals.

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Oral: Harmful if swallowed.

| Heparinase I, recombinant | |
|------------------------------|---------------------------|
| ATE CLP (oral) | 1.350,00 mg/kg bodyweight |
| Ammonium sulfate (7783-20-2) | |
| LD50 oral rat | > 2000 mg/kg |
| Sodium azide (26628-22-8) | |
| LD50 oral rat | 27 mg/kg |
| LD50 oral | 45 mg/kg |
| ATE CLP (oral) | 27,00 mg/kg bodyweight |

| | |
|---|---|
| Skin corrosion/irritation | : Not classified |
| Serious eye damage/irritation | : Not classified |
| Respiratory or skin sensitisation | : Not classified |
| 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 Causes damage to organs through prolonged or repeated exposure |
| Aspiration hazard | : Not classified |
| Symptoms/Injuries | : Dust may be harmful or cause irritation. |
| Symptoms/Injuries After Skin Contact | : Prolonged exposure may cause skin irritation. |
| Symptoms/Injuries After Eye Contact | : May cause slight irritation to eyes. |
| Symptoms/Injuries After Ingestion | : This material is harmful orally and can cause adverse health effects or death in significant amounts. |
| Chronic Symptoms | : May cause damage to organs through prolonged or repeated exposure. |
| Potential adverse human health effects and symptoms | : Based on available data, the classification criteria are not met. Harmful if swallowed. |

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

Ecology - water : Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

| Ammonium sulfate (7783-20-2) | |
|------------------------------|--|
| LC50 fish 1 | 5,2 (5,2 - 8,2) mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) |
| EC50 Daphnia 1 | 14 mg/l (Exposure time: 48 h - Species: Daphnia magna) |

| | |
|-------------------------------------|---|
| Ammonium sulfate (7783-20-2) | |
| LC50 fish 2 | 32,2 (32,2 - 41,9) mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through]) |
| Sodium azide (26628-22-8) | |
| LC50 fish 1 | 0,8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss) |
| LC50 fish 2 | 0,7 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus) |
| ErC50 (algae) | 0,348 mg/l |

12.2. Persistence and degradability

| | |
|----------------------------------|---|
| Heparinase I, recombinant | |
| Persistence and degradability | May cause long-term adverse effects in the environment. |

12.3. Bioaccumulative potential

| | |
|----------------------------------|------------------|
| Heparinase I, recombinant | |
| Bioaccumulative potential | Not established. |

| | |
|-------------------------------------|-----------------|
| Ammonium sulfate (7783-20-2) | |
| Log Pow | -5,1 (at 25 °C) |

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations
13.1. Waste treatment methods

Waste disposal recommendations : Dispose of contents/container in accordance with local, regional, national, and international regulations.

Additional information : Container may remain hazardous when empty. Continue to observe all precautions.

Ecology - waste materials : Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

SECTION 14: Transport information

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

| ADR | IMDG | IATA | ADN | RID |
|---|---|------------------------------------|------------------------------------|------------------------------------|
| 14.1. UN number | | | | |
| Not regulated for transport | | | | |
| 14.2. UN proper shipping name | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.3. Transport hazard class(es) | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.4. Packing group | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.5. Environmental hazards | | | | |
| 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 |

14.6. Special precautions for user

No additional information available

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

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

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

| |
|-------------------------------------|
| Ammonium sulfate (7783-20-2) |
|-------------------------------------|

| |
|--|
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) |
|--|

| |
|----------------------------------|
| Sodium azide (26628-22-8) |
|----------------------------------|

| |
|--|
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical 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

Revision date: : 22/June/2016

Data sources : According to Regulation (EC) No. 1907/2006 (REACH) with its amendment
Regulation (EU) 2015/830

Full text of H- and EUH-statements:

| | |
|---------------------|---|
| Acute Tox. 2 (Oral) | Acute toxicity (oral), Category 2 |
| 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 3 | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| H300 | Fatal if swallowed |
| H302 | Harmful if swallowed |
| H400 | Very toxic to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |
| H412 | Harmful to aquatic life with long lasting effects |
| EUH032 | Contact with acids liberates very toxic gas |

EU GHS SDS

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.