# Safety Data Sheet

# o-xylene-d10

According to Regulation (EC) No. 1907/2006 (REACH)

Classification acc. to 29 CFR 1910.1200

Version number: GHS 3.0
Replaces version of: 2023-02-01 (GHS 2)

Revision: 2025-06-10

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

### 1.1 Product identifier

| | |
|---|---|
| Identification of the substance | **o-Xylene-d10** |
| CAS number | 56004-61-6 |
| Alternative name(s) | 1,2-Xylene-d10 |

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

| | |
|---|---|
| Relevant identified uses | the product is intended for research, analysis and scientific education<br>scientific research and development<br>product and process oriented research and development<br>laboratory and analytical use<br>laboratory chemical |
| HS code | 2845.90. |

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

Zeochem AG
Joweid 5, CH-8630 Rüti
Switzerland

Telephone: +41 44 922 93 93
e-Mail: info@zeochem.com
Website: https://www.zeochem.com

### 1.4 Emergency telephone number

Poison centre

| Country | Name | Telephone |
|---|---|---|
| Switzerland | Toxzentrum Zürich / Tox. Info Suisse | +41 44 251 51 51 / CH: 145 - 24h/7d |
| United States | CHEMTREC USA | +1 800 424 9300 - 24h/7d |

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification acc. to GHS

| Section | Hazard class | Category | Hazard class and category | Hazard statement |
|---|---|---|---|---|
| 2.6 | flammable liquid | 3 | Flam. Liq. 3 | H226 |
| 3.1D | acute toxicity (dermal) | 4 | Acute Tox. 4 | H312 |
| 3.1I | acute toxicity (inhal.) | 4 | Acute Tox. 4 | H332 |
| 3.2 | skin corrosion/irritation | 2 | Skin Irrit. 2 | H315 |
| 3.3 | serious eye damage/eye irritation | 2 | Eye Irrit. 2 | H319 |
| 3.8R | specific target organ toxicity - single exposure (respiratory | 3 | STOT SE 3 | H335 |

| Section | Hazard class | Category | Hazard class and category | Hazard statement |
|---|---|---|---|---|
| | tract irritation) | | | |
| 3.10 | aspiration hazard | 1 | Asp. Tox. 1 | H304 |
| 4.1C | hazardous to the aquatic environment - chronic hazard | 3 | Aquatic Chronic 3 | H412 |

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources. Spillage and fire water can cause pollution of watercourses.

## 2.2 Label elements

Labelling

- Signal word danger

2.2.1.2 **Pictograms**

| | |
|---|---|
| GHS02, GHS07, GHS08 |  |

| Hazard statements | |
|---|---|
| H226 | flammable liquid and vapour |
| H304 | may be fatal if swallowed and enters airways |
| H312+H332 | harmful in contact with skin or if inhaled |
| H315 | causes skin irritation |
| H319 | causes serious eye irritation |
| H335 | may cause respiratory irritation |
| H412 | harmful to aquatic life with long lasting effects |

| Precautionary statements | |
|---|---|
| P210 | keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTER/doctor |
| P331 | do NOT induce vomiting |
| P370+P378 | in case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish |
| P403+P233 | store in a well-ventilated place. Keep container tightly closed |
| P403+P235 | store in a well-ventilated place. Keep cool |

## 2.3 Other hazards

Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

| | |
|---|---|
| Name of substance | o-xylene-d10 |
| Identifiers | |
| CAS No | 56004-61-6 |
| EC No | 259-942-8 |
| Purity | ≥90 % |

| Specific Conc. Limits | M-Factors | ATE | Exposure route |
|---|---|---|---|
| - | - | 1,100 $^{mg}/_{kg}$<br>11 $^{mg}/_{l}$/4h | dermal<br>inhalation: vapour |

| | |
|---|---|
| Molecular formula | C8D10 |
| Molar mass | 116 $^{g}/_{mol}$ |

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

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

Symptoms and effects are not known to date.

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

none

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

### Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO2)

### Unsuitable extinguishing media

Water jet

## 5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapour-air mixture. Solvent vapours are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

### Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO2)

## 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

# SECTION 6: Accidental release measures

## 6.1 Personal precautions, protective equipment and emergency procedures

### For non-emergency personnel

Remove persons to safety.

### For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

## 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

## 6.3 Methods and material for containment and cleaning up

### Advice on how to contain a spill

Covering of drains

### Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

### Appropriate containment techniques

Use of adsorbent materials.

### Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

## 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

# SECTION 7: Handling and storage

## 7.1 Precautions for safe handling

### Recommendations

Store in a dry place.

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapours are heavier than air, spread along floors and form explosive mixtures with air. Vapours may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

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

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

- Ventilation requirements

Keep any substance that emits harmful vapours or gases in a place that allows these to be permanently extracted. Use local and general ventilation. Ground/bond container and receiving equipment.

- Specific designs for storage rooms or vessels

- Storage temperature — Recommended storage temperature: 16 – 22 °C

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to ADR) may be used.

### 7.3 Specific end use(s)

See section 16 for a general overview.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)

| Country | Name of agent | CAS No | Identifier | TWA [ppm] | TWA [mg/m³] | STEL [ppm] | STEL [mg/m³] | Ceiling-C [ppm] | Ceiling-C [mg/m³] | Notation | Source |
|---|---|---|---|---|---|---|---|---|---|---|---|
| EU | o-xylene | 95-47-6 | IOELV | 50 | 221 | 100 | 442 | | | H | 2000/39/EC |
| GB | o-xylene | 95-47-6 | WEL | 50 | 220 | 100 | 441 | | | H | EH40/2005 |

Notation

| | |
|---|---|
| Ceiling-C | ceiling value is a limit value above which exposure should not occur |
| H | absorbed through the skin |

Notation

| | |
|---|---|
| STEL | short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified) |
| TWA | time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified) |

Biological limit values

| Country | Name of agent | Parameter | Notation | Identifier | Value | Source |
|---|---|---|---|---|---|---|
| GB | xylene, mixture of isomers | methylhippuric acid | crea | BMGV | 650 mmol/mol | EH40/2005 |

Notation

| | |
|---|---|
| crea | creatinine |

### 8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Type of material

Nitrile
IIR: isobutene-isoprene (butyl) rubber

- Breakthrough times of the glove material

>30 minutes (permeation: level 2)

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

| | |
|---|---|
| Physical state | liquid |
| Colour | colourless |

| | |
|---|---|
| Odour | characteristic |
| Melting point/freezing point | -25.2 °C at 1,013 hPa |
| Boiling point or initial boiling point and boiling range | 139 – 142 °C at 1,013 hPa |
| Flammability | flammable liquid in accordance with GHS criteria |
| Lower and upper explosion limit | 0.9 vol% - 7 vol% |
| Flash point | 27 °C at 1,013 hPa (closed cup) |
| Auto-ignition temperature | 463 °C at 1,013 hPa (ECHA) (auto-ignition temperature (liquids and gases)) |
| Decomposition temperature | not relevant |
| pH (value) | not determined |
| Kinematic viscosity | 0.612 $^{mm^2}/_{s}$ at 25 °C |

Solubility(ies)

| | |
|---|---|
| Water solubility | 146 $^{mg}/_{l}$ at 25 °C |

Partition coefficient

| | |
|---|---|
| Partition coefficient n-octanol/water (log value) | 3.15 (pH value: 7, 20 °C) (ECHA) |
| Soil organic carbon/water (log KOC) | 2.73 (ECHA) |

| | |
|---|---|
| Vapour pressure | 0.207 PSI at 85 °F |

Density and/or relative density

| | |
|---|---|
| Density | 0.95 $^{g}/_{cm^3}$ |
| Relative vapour density | information on this property is not available |

| | |
|---|---|
| Particle characteristics | not relevant (liquid) |

## 9.2 Other information

| | |
|---|---|
| Information with regard to physical hazard classes | there is no additional information |

Other safety characteristics

| | |
|---|---|
| Surface tension | 28 $^{mN}/_{m}$ (25 °C) (ECHA) |
| Refractive index | 1.5 (20 °C) |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". It's a reactive substance. The mixture contains reactive substance(s). Risk of ignition.

If heated:

Risk of ignition

### 10.2 Chemical stability

See below "Conditions to avoid".

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

### 10.5 Incompatible materials

Oxidisers

### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

**Classification acc. to GHS**

Acute toxicity

Harmful in contact with skin. Harmful if inhaled.
GHS of the United Nations, annex 4: May be harmful if swallowed.

- Acute toxicity estimate (ATE)

| | |
|---|---|
| Dermal | 1,100 $^{mg}/_{kg}$ |
| Inhalation: vapour | 11 $^{mg}/_{l}$/4h |

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity
Shall not be classified as germ cell mutagenic.

Carcinogenicity
Shall not be classified as carcinogenic.

Reproductive toxicity
Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure
May cause respiratory irritation.

Specific target organ toxicity - repeated exposure
Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard
May be fatal if swallowed and enters airways.

### 11.2 Information on other hazards
There is no additional information.

## SECTION 12: Ecological information

### 12.1 Toxicity
Harmful to aquatic life with long lasting effects.

| Aquatic toxicity (chronic) | | | |
|---|---|---|---|
| **Endpoint** | **Value** | **Species** | **Exposure time** |
| EL50 | 2.9 $^{mg}/_{l}$ | aquatic invertebrates | 21 d |
| ErC50 | 4.36 $^{mg}/_{l}$ | algae | 73 h |
| EC50 | 2.2 $^{mg}/_{l}$ | algae | 73 h |

### 12.2 Persistence and degradability

| Process of degradability | | |
|---|---|---|
| **Process** | **Degradation rate** | **Time** |
| oxygen depletion | 90 % | 28 d |

### 12.3 Bioaccumulative potential
Data are not available.

| | |
|---|---|
| n-octanol/water (log KOW) | 3.15 (pH value: 7, 20 °C) (ECHA) |
| BCF | >5.5 – <12.2 (ECHA) |

### 12.4 Mobility in soil

| | |
|---|---|
| Henry's law constant | 623 $^{Pa\ m^3}/_{mol}$ at 25 °C |

| | |
|---|---|
| The Organic Carbon normalised adsorption coefficient | 2.73 (ECHA) |

### 12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

### 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.

### 12.7 Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

**Remarks**

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## SECTION 14: Transport information

### 14.1 UN number or ID number

| | |
|---|---|
| ADR/RID | UN 1307 |
| IMDG-Code | UN 1307 |
| ICAO-TI | UN 1307 |

### 14.2 UN proper shipping name

| | |
|---|---|
| ADR/RID | XYLENES |
| IMDG-Code | XYLENES |
| ICAO-TI | Xylenes |

### 14.3 Transport hazard class(es)

| | |
|---|---|
| ADR/RID | 3 |
| IMDG-Code | 3 |
| ICAO-TI | 3 |

### 14.4 Packing group

| | |
|---|---|
| ADR/RID | III |

| | |
|---|---|
| IMDG-Code | III |
| ICAO-TI | III |

**14.5 Environmental hazards** non-environmentally hazardous acc. to the dangerous goods regulations

**14.6 Special precautions for user**

Provisions for dangerous goods (ADR) should be complied within the premises.

**14.7 Maritime transport in bulk according to IMO instruments**

The cargo is not intended to be carried in bulk.

**Information for each of the UN Model Regulations**

**Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) - Additional information**

| | |
|---|---|
| Classification code | F1 |
| Danger label(s) | 3 |

| | |
|---|---|
| Excepted quantities (EQ) | E1 |
| Limited quantities (LQ) | 5 L |
| Transport category (TC) | 3 |
| Tunnel restriction code (TRC) | D/E |
| Hazard identification No | 30 |
| Emergency Action Code | 3Y |

**Regulations concerning the International Carriage of Dangerous Goods by Rail (RID) - Additional information**

| | |
|---|---|
| Classification code | F1 |
| Danger label(s) | 3 |

| | |
|---|---|
| Excepted quantities (EQ) | E1 |
| Limited quantities (LQ) | 5 L |
| Transport category (TC) | 3 |
| Hazard identification No | 30 |

**International Maritime Dangerous Goods Code (IMDG) - Additional information**

| | |
|---|---|
| Marine pollutant | - |
| Danger label(s) | 3 |

| | |
|---|---|
| Special provisions (SP) | 223 |
| Excepted quantities (EQ) | E1 |
| Limited quantities (LQ) | 5 L |
| EmS | F-E, S-D |
| Stowage category | A |

**International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information**

| | |
|---|---|
| Danger label(s) | 3 |

| | |
|---|---|
| Special provisions (SP) | A3 |
| Excepted quantities (EQ) | E1 |
| Limited quantities (LQ) | 10 L |

## SECTION 15: Regulatory information

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

**Relevant provisions of the European Union (EU)**

**Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)**

not listed

**Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)**

not listed

**Water Framework Directive (WFD)**

not listed

**Regulation on persistent organic pollutants (POP)**

not listed

**National regulations (GB)**

**List of substances subject to authorisation (GB REACH, Annex 14) / SVHC - candidate list**

not listed

**Restrictions according to GB REACH, Annex 17**

Dangerous substances with restrictions (GB REACH, Annex 17)

| Name of substance | Name acc. to inventory | CAS No | No |
|---|---|---|---|
| o-xylene-d10 | this product meets the criteria for classification in accordance with Regulation No | | 3 |

| Dangerous substances with restrictions (GB REACH, Annex 17) | | | |
|---|---|---|---|
| **Name of substance** | **Name acc. to inventory** | **CAS No** | **No** |
| | 1272/2008/EC | | |
| o-xylene-d10 | flammable / pyrophoric | | 40 |

### National inventories

| Country | Inventory | Status |
|---|---|---|
| EU | REACH Reg. | substance is listed |
| US | TSCA | substance is listed (ACTIVE) |

Legend

| | |
|---|---|
| REACH Reg. | REACH registered substances |
| TSCA | Toxic Substance Control Act |

## 15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance.

## SECTION 16: Other information

### Indication of changes (revised safety data sheet)

| Section | Former entry (text/value) | Actual entry (text/value) | Safety-relevant |
|---|---|---|---|
| 1.3 | Details of the supplier of the safety data sheet:<br>Zeochem AG<br>Joweid 5, CH-8630 Rüti<br>Switzerland<br><br>Telephone: +41 44 922 93 93<br>e-Mail: info@zeochem.com / info@zeochem.ch<br>Website: https://www.zeochem.com | Details of the supplier of the safety data sheet:<br>Zeochem AG<br>Joweid 5, CH-8630 Rüti<br>Switzerland<br><br>Telephone: +41 44 922 93 93<br>e-Mail: info@zeochem.com<br>Website: https://www.zeochem.com | yes |
| 1.4 | | Poison centre:<br>change in the listing (table) | yes |
| 2.3 | | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%. | yes |
| 6.2 | Environmental precautions:<br>Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. | Environmental precautions:<br>Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority. | yes |
| 7.2 | | - Specific designs for storage rooms or vessels | yes |
| 7.2 | | Storage temperature:<br>Recommended storage temperature: 16 – 22 °C | yes |
| 8.1 | | Occupational exposure limit values (Workplace Exposure Limits):<br>change in the listing (table) | yes |

| Section | Former entry (text/value) | Actual entry (text/value) | Safety-relevant |
|---|---|---|---|
| 8.1 | | Biological limit values: change in the listing (table) | yes |
| 12.5 | Results of PBT and vPvB assessment: Data are not available. | Results of PBT and vPvB assessment: According to the results of its assessment, this substance is not a PBT or a vPvB. | yes |
| 12.6 | Endocrine disrupting properties: Not listed. | Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%. | yes |
| 15.1 | | National inventories: change in the listing (table) | yes |

## Key literature references and sources for data

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). Regulations concerning the International Carriage of Dangerous Goods by Rail (RID). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

## List of relevant phrases (code and full text as stated in section 2 and 3)

| Code | Text |
|---|---|
| H226 | Flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H412 | Harmful to aquatic life with long lasting effects. |

## Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.