# Jawellewasser 13/14 %

REY-CHEMIE AG

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 3/23/2020 Revision date: 3/11/2024 Supersedes: 3/29/2023 Version: 1.3
SDS No: 12236-0030

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

### 1.1. Product identifier

Product form : Mixture
Product name : Jawellewasser 13/14 %

### 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 : Cleaning agent

#### 1.2.2. Uses advised against

Restrictions on use : For professional users only

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

Rey Chemie AG
Pilatusstrasse 31
5630 Muri
Switzerland
T +41 56 664 11 28
info@reychemie.ch

### 1.4. Emergency telephone number

Emergency number : NATIONAL: Tox Info Suisse: Tel. 145 (24 h)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

| | |
|---|---|
| Corrosive to metals, Category 1 | H290 |
| Skin corrosion/irritation, Category 1 | H314 |
| Serious eye damage/eye irritation, Category 1 | H318 |
| Hazardous to the aquatic environment – Acute Hazard, Category 1 | H400 |
| Hazardous to the aquatic environment – Chronic Hazard, Category 3 | H412 |

Full text of H- and EUH-statements: see section 16

**Adverse physicochemical, human health and environmental effects**

Causes severe skin burns and eye damage. May be corrosive to metals. Very toxic to aquatic life with long lasting effects.

### 2.2. Label elements

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

Hazard pictograms (CLP) :

Signal word (CLP) : Danger
Contains : sodium hypochlorite, solution… % Cl active
Hazard statements (CLP) : H290 - May be corrosive to metals.
H314 - Causes severe skin burns and eye damage.
H410 - Very toxic to aquatic life with long lasting effects.
Precautionary statements (CLP) : P280 - Wear protective clothing, eye protection, face protection, protective gloves.
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.

| | | |
|---|---|---|
| | | Rinse skin with water .<br>P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P310 - Immediately call a POISON CENTER or doctor. |
| EUH-statements | : | EUH031 - Contact with acids liberates toxic gas.<br>EUH206 - Warning! Do not use together with other products. May release dangerous gases (chlorine). |

### 2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|
| sodium hypochlorite, solution… % Cl active | CAS-No.: 7681-52-9<br>EC-No.: 231-668-3<br>EC Index-No.: 017-011-00-1<br>REACH-no: 01-2119488154-34 | ≥ 10 – < 15 | Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400 (M=10)<br>Aquatic Chronic 1, H410<br>EUH031 |

**Specific concentration limits:**

| Name | Product identifier | Specific concentration limits (%) |
|---|---|---|
| sodium hypochlorite, solution… % Cl active | CAS-No.: 7681-52-9<br>EC-No.: 231-668-3<br>EC Index-No.: 017-011-00-1<br>REACH-no: 01-2119488154-34 | (5 ≤ C ≤ 100) EUH031 |

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

| | | |
|---|---|---|
| First-aid measures general | : | Adhere to personal protective measures when giving first aid. Take off immediately all contaminated clothing. In the event of persistent symptoms receive medical treatment. |
| First-aid measures after inhalation | : | Remove person to fresh air and keep comfortable for breathing. Call a doctor. In case of loss of consciousness, place the victim in the recovery position. |
| First-aid measures after skin contact | : | Wash skin with plenty of water. Call a physician immediately. |
| First-aid measures after eye contact | : | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult an eye specialist. |
| First-aid measures after ingestion | : | If you feel unwell, seek medical advice. Do not induce vomiting. Rinse mouth. Drink plenty of water. |

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

| | | |
|---|---|---|
| Symptoms/effects after skin contact | : | Causes severe burns. |

Symptoms/effects after eye contact : Causes serious eye damage.

### 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 : Fire-extinguishing activities according to surrounding. Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : high volume water jet.

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

Explosion hazard : Product is not explosive.

Hazardous decomposition products in case of fire : Carbon oxides (CO, CO2).

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.

Other information : Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## SECTION 6: Accidental release measures

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

General measures : No flames, no sparks. Eliminate all sources of ignition. Avoid contact with eyes, skin or mucous membrane. Evacuate the danger area.

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin, eyes and clothing. Evacuate unnecessary personnel. Wear personal protective equipment.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Notify authorities if product enters sewers or public waters.

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

For containment : Collect spillage.

Methods for cleaning up : Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Ensure adequate air ventilation. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.

Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

Refer to protective measures listed in sections 7 and 8. For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Use only outdoors or in a well-ventilated area. Handle and open container with care. Avoid contact with skin, eyes and clothing.

| | | |
|---|---|---|
| Hygiene measures | : | Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Take off immediately all contaminated clothing and wash it before reuse. |

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

| | | |
|---|---|---|
| Storage conditions | : | Keep container tightly closed in a dry, cool and well-ventilated place. |
| Incompatible products | : | Acids. |
| Incompatible materials | : | Light metals. Aluminium. |
| Storage temperature | : | 0 – 25 °C |
| Heat and ignition sources | : | Keep away from heat and direct sunlight. |
| Information on mixed storage | : | Keep away from food, drink and animal feeding stuffs. Do not store with acids. |
| Storage area | : | Keep out of frost. |
| Special rules on packaging | : | Keep only in original container. |

**Switzerland**

| | | |
|---|---|---|
| Storage class (LK) | : | LK 8 - Corrosive materials |

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

**Appropriate engineering controls:**
Ensure good ventilation of the work station. Provide eye bath.

#### 8.2.2. Personal protection equipment

#### 8.2.2.1. Eye and face protection

**Eye protection:**
Protective goggles (EN 166)

#### 8.2.2.2. Skin protection

**Skin and body protection:**
Wear suitable protective clothing

**Hand protection:**
Chemically resistant protective gloves. Select the appropriate glove material adhering to the breakthrough time, permeation rate and the degradation. Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves

| Hand protection | | | | | |
|---|---|---|---|---|---|
| **Type** | **Material** | **Permeation** | **Thickness (mm)** | **Penetration** | **Standard** |
| protective gloves | Nitrile rubber (NBR), Polyvinylchloride (PVC) | 6 (> 480 minutes) | 0,35 | | EN ISO 374 |

#### 8.2.2.3. Respiratory protection

**Respiratory protection:**
In case of insufficient ventilation wear suitable respiratory equipment (gas filter type B) (EN 14387)

| Respiratory protection | | | |
|---|---|---|---|
| **Device** | **Filter type** | **Condition** | **Standard** |
| Self contained breathing apparatus | | Long term exposure | |

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

**Environmental exposure controls:**
Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

| | | |
|---|---|---|
| Physical state | : | Liquid |
| Colour | : | yellowish. |
| Odour | : | Product-specific. |
| Odour threshold | : | Not available |
| Melting point | : | ≈ -20 °C |
| Freezing point | : | Not available |
| Boiling point | : | ≈ 40 °C |
| Flammability | : | Not available |
| Oxidising properties | : | Non oxidizing. |
| Lower explosive limit (LEL) | : | Not available |
| Upper explosive limit (UEL) | : | Not available |
| Flash point | : | Not available |
| Auto-ignition temperature | : | Not available |
| Decomposition temperature | : | 40 °C |
| pH | : | ≈ 12 (20°C, 100 g/l) |
| Viscosity, kinematic | : | Not available |
| Viscosity, dynamic | : | 6 mPa·s (20°C) |
| Solubility | : | completely miscible with: Water. |
| Partition coefficient n-octanol/water (Log Kow) | : | Not available |
| Vapour pressure | : | Not available |
| Vapour pressure at 50°C | : | Not available |
| Density | : | 1.22 – 1.26 g/cm³ (20°C) |
| Relative density | : | Not available |
| Relative vapour density at 20°C | : | Not available |
| Particle characteristics | : | Not applicable |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

| | | |
|---|---|---|
| VOC content | : | 0 % |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactions with base metals, with evolution of hydrogen.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

By contact with acids poisonous chloric gases can be released under heat development.

### 10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat.

### 10.5. Incompatible materials

Acids. Corroses base metals.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

| | | |
|---|---|---|
| Acute toxicity (oral) | : | Not classified (Based on available data, the classification criteria are not met) |
| Acute toxicity (dermal) | : | Not classified (Based on available data, the classification criteria are not met) |
| Acute toxicity (inhalation) | : | Not classified (Based on available data, the classification criteria are not met) |
| Skin corrosion/irritation | : | Causes severe skin burns.<br>pH: ≈ 12 (20°C, 100 g/l) |
| Serious eye damage/irritation | : | Causes serious eye damage.<br>pH: ≈ 12 (20°C, 100 g/l) |
| Respiratory or skin sensitisation | : | Not classified (Based on available data, the classification criteria are not met) |
| Germ cell mutagenicity | : | Not classified (Based on available data, the classification criteria are not met) |
| Carcinogenicity | : | Not classified (Based on available data, the classification criteria are not met) |
| Reproductive toxicity | : | Not classified (Based on available data, the classification criteria are not met) |
| STOT-single exposure | : | Not classified (Based on available data, the classification criteria are not met) |
| STOT-repeated exposure | : | Not classified (Based on available data, the classification criteria are not met) |
| Aspiration hazard | : | Not classified (Based on available data, the classification criteria are not met) |

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

| | | |
|---|---|---|
| Ecology - general | : | Toxic to aquatic life with long lasting effects. |
| Hazardous to the aquatic environment, short–term (acute) | : | Very toxic to aquatic life. |
| Hazardous to the aquatic environment, long–term (chronic) | : | Harmful to aquatic life with long lasting effects. |

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

Additional information : Do not flush into surface water or sewer system

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Where possible recycling is preferred to disposal. Disposal in accordance with local regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions.

Product/Packaging disposal recommendations : Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

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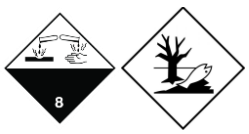
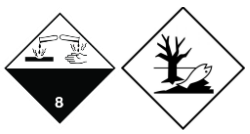
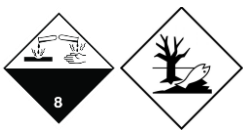
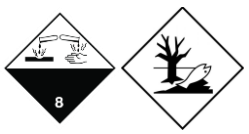
Waste code (VeVA) : 20 01 29 - [S] Detergents containing dangerous substances

## SECTION 14: Transport information

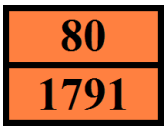
In accordance with ADR / IMDG / IATA / ADN / RID

| ADR | IMDG | IATA | ADN | RID |
|---|---|---|---|---|
| **14.1. UN number or ID number** | | | | |
| UN 1791 | UN 1791 | UN 1791 | UN 1791 | UN 1791 |
| **14.2. UN proper shipping name** | | | | |
| HYPOCHLORITE SOLUTION | HYPOCHLORITE SOLUTION | Hypochlorite solution | HYPOCHLORITE SOLUTION | HYPOCHLORITE SOLUTION |
| **Transport document description** | | | | |
| UN 1791 HYPOCHLORITE SOLUTION, 8, II, (E), ENVIRONMENTALLY HAZARDOUS | UN 1791 HYPOCHLORITE SOLUTION, 8, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS | UN 1791 Hypochlorite solution, 8, II, ENVIRONMENTALLY HAZARDOUS | UN 1791 HYPOCHLORITE SOLUTION, 8, II, ENVIRONMENTALLY HAZARDOUS | UN 1791 HYPOCHLORITE SOLUTION, 8, II, ENVIRONMENTALLY HAZARDOUS |
| **14.3. Transport hazard class(es)** | | | | |
| 8 | 8 | 8 | 8 | 8 |
|  |  |  |  |  |
| **14.4. Packing group** | | | | |
| II | II | II | II | II |

| ADR | IMDG | IATA | ADN | RID |
|---|---|---|---|---|
| **14.5. Environmental hazards** | | | | |
| Dangerous for the environment: Yes | Dangerous for the environment: Yes<br>Marine pollutant: Yes | Dangerous for the environment: Yes | Dangerous for the environment: Yes | Dangerous for the environment: Yes |
| No supplementary information available | | | | |

## 14.6. Special precautions for user

### Overland transport

| | | |
|---|---|---|
| Classification code (ADR) | : | C9 |
| Special provisions (ADR) | : | 521 |
| Limited quantities (ADR) | : | 1l |
| Excepted quantities (ADR) | : | E2 |
| Packing instructions (ADR) | : | P001, IBC02 |
| Special packing provisions (ADR) | : | PP10, B5 |
| Mixed packing provisions (ADR) | : | MP15 |
| Transport category (ADR) | : | 2 |
| Hazard identification number (Kemler No.) | : | 80 |
| Orange plates | : |  |
| Tunnel restriction code (ADR) | : | E |

### Transport by sea

| | | |
|---|---|---|
| Special provisions (IMDG) | : | 274, 900 |
| Limited quantities (IMDG) | : | 1 L |
| Excepted quantities (IMDG) | : | E2 |
| Packing instructions (IMDG) | : | P001 |
| Special packing provisions (IMDG) | : | PP10 |
| IBC packing instructions (IMDG) | : | IBC02 |
| IBC special provisions (IMDG) | : | B5 |
| Tank instructions (IMDG) | : | T7 |
| Tank special provisions (IMDG) | : | TP2, TP24 |
| EmS-No. (Fire) | : | F-A |
| EmS-No. (Spillage) | : | S-B |
| Stowage category (IMDG) | : | B |
| Segregation (IMDG) | : | SG20 |

### Air transport

| | | |
|---|---|---|
| PCA Excepted quantities (IATA) | : | E2 |
| PCA Limited quantities (IATA) | : | Y840 |
| PCA limited quantity max net quantity (IATA) | : | 0.5L |
| PCA packing instructions (IATA) | : | 851 |
| PCA max net quantity (IATA) | : | 1L |
| CAO packing instructions (IATA) | : | 855 |
| CAO max net quantity (IATA) | : | 30L |
| Special provisions (IATA) | : | A3, A803 |
| ERG code (IATA) | : | 8L |

### Inland waterway transport

| | | |
|---|---|---|
| Classification code (ADN) | : | C9 |
| Special provisions (ADN) | : | 521 |
| Limited quantities (ADN) | : | 1 L |
| Excepted quantities (ADN) | : | E2 |
| Equipment required (ADN) | : | PP, EP |
| Number of blue cones/lights (ADN) | : | 0 |

**Rail transport**

| | | |
|---|---|---|
| Classification code (RID) | : | C9 |
| Special provisions (RID) | : | 521 |
| Limited quantities (RID) | : | 1L |
| Excepted quantities (RID) | : | E2 |
| Packing instructions (RID) | : | P001, IBC02 |
| Transport category (RID) | : | 2 |
| Hazard identification number (RID) | : | 80 |

### 14.7. Maritime transport in bulk according to IMO instruments

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

**REACH Annex XVII (Restriction List)**

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

**REACH Annex XIV (Authorisation List)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

**REACH Candidate List (SVHC)**

Contains no substance(s) listed on the REACH Candidate List

**PIC Regulation (Prior Informed Consent)**

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

**POP Regulation (Persistent Organic Pollutants)**

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

**Ozone Regulation (1005/2009)**

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

**VOC Directive (2004/42)**

VOC content : 0 %

**Explosives Precursors Regulation (2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

**Drug Precursors Regulation (273/2004)**

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

**Seveso Directive (Disaster Risk Reduction)**

| Seveso III Part I (Categories of dangerous substances) | Qualifying quantity (tonnes) | |
|---|---|---|
| | Lower-tier | Upper-tier |
| E1 Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1 | 100 | 200 |

### 15.1.2. National regulations

#### Switzerland

| | | |
|---|---|---|
| Swiss National Regulations | : | Article 13 Order on the protection of maternity (RS 822.111.52):<br>Pregnant women and breastfeeding mothers cannot come into contact with this product (this substance/this preparation) when working except where it has been established, on the basis of a risk analysis performed in accordance with Art. 63 OLT 1 (RS 822.111), that there is no concrete threat to the health of the mother or baby or that said threat can be excluded thanks to the suitable protection measures taken.<br>Article 4, subparagraph 4 Order on the protection of young workers (OLT 5, RS 822.115) and Article 1, letter f Order of the DEFR on dangerous works for young workers (822.115.2): Young workers undergoing initial professional training cannot work with this product (this substance/this preparation) except where envisaged in the order of professional training to achieve the training purposes and if the training plan conditions and applicable age limits are respected. Young workers who do not undergo initial professional training cannot work with this product (this substance/this preparation). Workers of either sex aged under 18 years old are considered as young. |
| Water Protection Ordinance (GSchV, SR 814.201) | : | Class B |
| Chemicals Ordinance (ChemV, SR 813.11) | : | Group 2 |
| Clean Air Ordinance (LRV, SR 814.318.142.1) | : | Not applicable |
| Accident Ordinance (StFV, SR 814.012) | : | Annex 1, number 4<br>Threshold quantity: 2000 kg |
| VOC Ordinance (VOCV, SR 814.018) | : | 0 % |

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Abbreviations and acronyms: | |
|---|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE | Acute Toxicity Estimate |
| BLV | Biological limit value |
| CAS-No. | Chemical Abstract Service number |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EC50 | Median effective concentration |
| EC-No. | European Community number |
| EN | European Standard |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| LOAEL | Lowest Observed Adverse Effect Level |
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |

| Abbreviations and acronyms: | |
|---|---|
| OEL | Occupational Exposure Limit |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| vPvB | Very Persistent and Very Bioaccumulative |
| WGK | Water Hazard Class |

| Full text of H- and EUH-statements: | |
|---|---|
| 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 |
| EUH031 | Contact with acids liberates toxic gas. |
| EUH206 | Warning! Do not use together with other products. May release dangerous gases (chlorine). |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| H290 | May be corrosive to metals. |
| H314 | Causes severe skin burns and eye damage. |
| H318 | Causes serious eye damage. |
| 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. |
| Met. Corr. 1 | Corrosive to metals, Category 1 |
| Skin Corr. 1 | Skin corrosion/irritation, Category 1 |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1, Sub-Category 1B |

| Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]: | | |
|---|---|---|
| Met. Corr. 1 | H290 | Calculation method |
| Skin Corr. 1 | H314 | On basis of test data |
| Eye Dam. 1 | H318 | On basis of test data |
| Aquatic Acute 1 | H400 | Calculation method |
| Aquatic Chronic 3 | H412 | Calculation method |

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should therefore not be construed as guaranteeing any specific property of the product.