

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Reference number: 1785-101121-1

Reference number: 1785-101121-1 Issue date: 11/10/2021 Version: 0.0

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

#### 1.1. Product identifier

Product name : HYDROCHLORIC ACID

Product code : 1785-101121-1

Formula : HCl

## 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 : Industrial Uses

Metal, Chemical, Food, Paint, Pharmaceutical, Textile and Petrol Industry

#### 1.2.2. Uses advised against

No additional information available

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

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#### 1.4. Emergency telephone number

Emergency number : +90 226 815 33 00/33112

| Country | Organisation/Company  | Address   | Emergency number | Comment   |
|---------|---|---|------------------|---|
| Turkey  | Ulusal Zehir Merkezi (UZEM)<br>Refik Saydam Hıfzıssıhha Merkezi<br>Başkanlığı | Cemal Gürsel Cd. No: 18<br>Sıhhiye<br>Çankaya<br>06590 Ankara | 114              | Information is<br>provided to public and<br>medical personnel on<br>poisoning incidents<br>via 114. |

#### **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 1 H314
Serious eye damage/eye irritation, Category 1 H318
Specific target organ toxicity — Single exposure, Category 3, Respiratory H335

tract irritation

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

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

May cause respiratory irritation. Causes severe skin burns and eye damage. Causes serious eye damage.

#### 2.2. Label elements

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

Hazard pictograms (CLP)





GHS05

GHS07

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Signal word (CLP) : Danger

Contains : Hydrochloric acid ... %

Hazard statements (CLP) : H314 - Causes severe skin burns and eye damage.

H335 - May cause respiratory irritation.

Precautionary statements (CLP) : P234 - Keep only in original packaging.
P260 - Do not breathe dusts or mists.

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water.

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

P403 - Store in a well-ventilated place.

P501 - Dispose of contents/container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation.

#### 2.3. Other hazards

No additional information available

# **SECTION 3: Composition/information on ingredients**

## 3.1. Substances

| Name                | Product identifier                      |         | Classification according to<br>Regulation (EC) No. 1272/2008<br>[CLP] |
|---------------------|---|---------|---|
| Hydrochloric acid % | CAS-No.: 7647-01-0<br>EC-No.: 231-595-7 | Min. 30 | Skin Corr. 1B, H314<br>STOT SE 3, H335                                |

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

#### 3.2. Mixtures

Not applicable

## **SECTION 4: First aid measures**

## 4.1. Description of first aid measures

First-aid measures general : Call a physician immediately. Never give anything by mouth to an unconscious person.

People with over sensibility problems are not allowed to work or be exposed to the product.

In all cases of doubt, or when symptoms persist, seek medical attention.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a

doctor if you feel unwell.

First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a

physician immediately.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and

easy to do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately.

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

Symptoms/effects after inhalation : May cause respiratory irritation.

Symptoms/effects after skin contact : Burns.

Symptoms/effects after eye contact : Serious damage to eyes.

Symptoms/effects after ingestion : Burns.

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

Treat symptomatically.

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#### **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).

Unsuitable extinguishing media : Strong water jet.

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

Reactivity in case of fire : At high temperature may liberate dangerous gases.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

## 5.3. Advice for firefighters

Precautionary measures fire : Approach from upwind. Use water spray or fog for cooling exposed containers. Keep away

from combustible materials.

Firefighting instructions

: Use water spray or fog for cooling exposed containers. Cool adjacent tanks / containers / drums with water jet. Do not allow water to enter the vessels, a violent reaction may occur.

Do not enter fire area without proper protective equipment, including respiratory protection.

Exercise caution when fighting any chemical fire. Keep upwind. In case of fire: Evacuate

area. Fight fire remotely due to the risk of explosion.

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

breathing apparatus. Complete protective clothing.

Other information : High temperature decomposition products are harmful by inhalation. Inhalation of vapour

can cause breathing difficulties.

# **SECTION 6: Accidental release measures**

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

General measures : Eliminate every possible source of ignition. Access forbidden to unauthorised personnel.

Use protective clothing. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Notify authorities if product enters sewers

or public waters. Use care in walking on spilled material. Do not inhale vapour.

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment. Dust formation: dust mask. Wear

suitable protective clothing, gloves and eye or face protection.

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe

dust/fume/gas/mist/vapours/spray. Do not touch or walk on the spilled product. Evacuate unnecessary personnel. Mark out the contaminated area with signs and prevent access to

unauthorized personnel.

Measures in case of dust release : In case of dust production: protective goggles. Dust mask. In case of vapour formation use

adequate respirator.

#### 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". Only qualified personnel equipped with suitable protective equipment may intervene. Wear suitable protective

clothing, gloves and eye/face protection.

Emergency procedures : Avoid contact with skin and eyes. Do not touch spilled material. Evacuate unnecessary personnel. Keep away from combustible material. Keep public away from danger area.

Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Ventilate area. Stop leak if safe to do so.

## 6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter drains or water courses. Do not discharge into drains or waterways without neutralizing.

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

For containment

: Comply with the safety intructions. Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

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: Clean up any spills as soon as possible, using an absorbent material to collect it. Absorb Methods for cleaning up

with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Sweep or shovel spills into appropriate container for disposal. Minimise generation

of dust.

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

materials in accordance with current regulations.

#### 6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

## **SECTION 7: Handling and storage**

## 7.1. Precautions for safe handling

Additional hazards when processed : Use adequate ventilation to keep vapour concentrations below applicable standard. Take all

necessary technical measures to avoid or minimize the release of the product on the

workplace.

Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. Do not Precautions for safe handling

> breathe dust/fume/gas/mist/vapours/spray. Wear personal protective equipment. Avoid dust formation. Avoid prolonged and repeated contact with skin. Contaminated work clothing should not be allowed out of the workplace. Do not spray on an open flame or other ignition source. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Keep valves and fittings free from oil and grease. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Take precautionary measures

against static discharge.

Hygiene measures Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this

product. Always wash hands after handling the product.

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

Technical measures : Comply with applicable regulations. Containers which are opened should be properly resealed and kept upright to prevent leakage. Ensure adequate ventilation, especially in

confined areas.

Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool. Storage conditions

Incompatible products Strong acids. Strong bases. Strong oxidizing agents. Peroxides. Explosives.

Incompatible materials Extremely high or low temperatures.

Heat and ignition sources Do not smoke. KEEP SUBSTANCE AWAY FROM: ignition sources. heat sources.

Keep away from food, drink and animal feeding stuffs. Information on mixed storage

Avoid: Extremely high or low temperatures. Heat and ignition sources. Storage area

## 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

| HYDROCHLORIC ACID                     |          |  |
|---------------------------------------|----------|--|
| Turkey - Occupational Exposure Limits |          |  |
| OEL TWA 8 mg/m³                       |          |  |
| OEL TWA [ppm]                         | 5 ppm    |  |
| OEL STEL                              | 15 mg/m³ |  |
| OEL STEL [ppm]                        | 10 ppm   |  |

#### 8.1.2. Recommended monitoring procedures

No additional information available

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#### 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. Avoid contact with skin, eyes and clothing. Carry out operations in the open/under local exhaust/ventilation or with respiratory protection. Consider work permit system e.g. for maintenance activities. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. In the event that dust and/or fine particles are generated with this product, it is prudent to minimize prolonged inhalation exposure to these forms not to exceed the occupational exposure limit. Measure concentrations regularly, and at the time of any change occuring in conditions likely to have consequences on workers exposure.

## 8.2.2. Personal protection equipment

#### Personal protective equipment:

Protective goggles. Protective clothing. Gas mask. Gloves.

#### Personal protective equipment symbol(s):









#### 8.2.2.1. Eye and face protection

#### Eye protection:

Safety glasses. EN 166. Where excessive dust may result, wear goggles

# 8.2.2.2. Skin protection

#### Skin and body protection:

Wear suitable protective clothing. In case of dust production: dustproof clothing. In case of dust production: head/neck protection. Where contact with eyes or skin is likely, wear suitable protection

#### Hand protection:

Protective gloves. EN 374

## 8.2.2.3. Respiratory protection

## Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Dust production: dust mask with filter type P1. Where excessive vapour may result, wear approved mask

## 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

## **Environmental exposure controls:**

Avoid release to the environment.

#### Consumer exposure controls:

Do not eat, drink or smoke during use. Always wash hands after handling the product. Avoid contact with skin and eyes. Avoid contact during pregnancy/while nursing.

#### Other information:

Always wash hands after handling the product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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## **SECTION 9: Physical and chemical properties**

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

Physical state : Liquid
Appearance : Clear
Molecular mass : 36.46 g/mol

Colour : Colorless, light yellow

Odour : Pungent

Odour threshold No data available 1.0 (0.1 M solution) рΗ Relative evaporation rate (butylacetate=1) No data available Melting point Not applicable No data available Freezing point Boiling point 80°C @ 760 mmHg Flash point No data available No data available Auto-ignition temperature No data available Decomposition temperature Flammability (solid, gas) Not applicable Vapour pressure : No data available Relative vapour density at 20 °C : No data available Relative density : No data available Density : 1.152 g/cm³ @ 15°C Solubility Soluble in water Partition coefficient n-octanol/water (Log Pow) No data available Viscosity, kinematic : No data available

#### 9.2. Other information

Viscosity, dynamic

No additional information available

## **SECTION 10: Stability and reactivity**

## 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

## 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

## 10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents. Peroxides. Explosives.

## 10.6. Hazardous decomposition products

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

: No data available

# **SECTION 11: Toxicological information**

#### 11.1 Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

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Skin corrosion/irritation : Causes severe skin burns.

pH: 1 (0.1 M solution)

Serious eye damage/irritation : Causes serious eye damage.

pH: 1 (0.1 M solution)

Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified

STOT-single exposure : May cause respiratory irritation.

STOT-repeated exposure : Not classified Aspiration hazard : Not classified

# **SECTION 12: Ecological information**

# 12.1. Toxicity

Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms.

Hazardous to the aquatic environment, short-term : Not classified

(acute)

Hazardous to the aquatic environment, long-term : Not classified

(chronic)

Not rapidly degradable

#### 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. Other adverse effects

No additional information available

## **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations : Disposal must be done according to official regulations.

Additional information : Empty containers should be taken for recycling, recovery or waste in accordance with local

regulation.

## **SECTION 14: Transport information**

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

| ADR             | IMDG    | IATA    | ADN     | RID     |
|-----------------|---------|---------|---------|---------|
| 14.1. UN number |         |         |         |         |
| UN 1789         | UN 1789 | UN 1789 | UN 1789 | UN 1789 |

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| ADR                                      | IMDG   | IATA                                | ADN                                 | RID                                 |
|--|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 14.2. UN proper shippin                  | 14.2. UN proper shipping name                                |                                     |                                     |                                     |
| HYDROCHLORIC ACID                        | HYDROCHLORIC ACID  | Hydrochloric acid                   | HYDROCHLORIC ACID                   | HYDROCHLORIC ACID                   |
| Transport document descr                 | iption   |                                     |                                     |                                     |
| UN 1789 HYDROCHLORIC<br>ACID, 8, II, (E) | UN 1789 HYDROCHLORIC<br>ACID, 8, II                          | UN 1789 Hydrochloric acid,<br>8, II | UN 1789 HYDROCHLORIC<br>ACID, 8, II | UN 1789 HYDROCHLORIC<br>ACID, 8, II |
| 14.3. Transport hazard o                 | class(es)  |                                     |                                     |                                     |
| 8  | 8  | 8                                   | 8                                   | 8                                   |
| 8  | 8  | 8                                   | 8                                   |                                     |
| 14.4. Packing group                      |  |                                     |                                     |                                     |
| II                                       | II   | II                                  | II                                  | II                                  |
| 14.5. Environmental hazards              |  |                                     |                                     |                                     |
| Dangerous for the environment: No        | Dangerous for the<br>environment: No<br>Marine pollutant: No | Dangerous for the environment: No   | Dangerous for the environment: No   | Dangerous for the environment: No   |
| No supplementary information available   |  |                                     |                                     |                                     |

# 14.6. Special precautions for user

## **Overland transport**

Classification code (ADR) : C1
Special provisions (ADR) : 520
Limited quantities (ADR) : 11
Excepted quantities (ADR) : E2
Packing instructions (ADR) : P001, IBC02

Mixed packing provisions (ADR) : MP15
Portable tank and bulk container instructions (ADR) : T8
Portable tank and bulk container special provisions : TP2

(ADR)

Tank code (ADR) : L4BN
Tank special provisions (ADR) : TU42
Vehicle for tank carriage : AT
Transport category (ADR) : 2
Hazard identification number (Kemler No.) : 80

Hazard identification number (Kemler No.) : Orange plates :

80 1789

Tunnel restriction code (ADR) : E

## Transport by sea

Limited quantities (IMDG) : 1 L : E2 Excepted quantities (IMDG) Packing instructions (IMDG) : P001 : IBC02 IBC packing instructions (IMDG) IBC special provisions (IMDG) B20 Tank instructions (IMDG) T8 Tank special provisions (IMDG) TP2 EmS-No. (Fire) F-A EmS-No. (Spillage) S-B Stowage category (IMDG) : С

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Segregation (IMDG) : SGG1A, SG36, SG49

Properties and observations (IMDG) : Colourless liquid.An aqueous solution of the gas hydrogen chloride. Highly corrosive to

most metals. Causes burns to skin, eyes and mucous membranes.

#### 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 : 855 CAO packing instructions (IATA) : 30L CAO max net quantity (IATA) : A3 Special provisions (IATA) ERG code (IATA) 8L

#### Inland waterway transport

Classification code (ADN) : C1
Special provisions (ADN) : 520
Limited quantities (ADN) : 1 L
Excepted quantities (ADN) : E2
Carriage permitted (ADN) : T
Equipment required (ADN) : PP, EP
Number of blue cones/lights (ADN) : 0

#### Rail transport

Classification code (RID) : C1
Special provisions (RID) : 520
Limited quantities (RID) : 1L
Excepted quantities (RID) : E2

Packing instructions (RID) : P001, IBC02
Mixed packing provisions (RID) : MP15
Portable tank and bulk container instructions (RID) : T8
Portable tank and bulk container special provisions : TP2

(RID)

Tank codes for RID tanks (RID) : L4BN Special provisions for RID tanks (RID) : TU42 Transport category (RID) : 2 Colis express (express parcels) (RID) : CE6 Hazard identification number (RID) : 80

# 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

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

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## 15.1.2. National regulations

#### Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG)

Observe restrictions according Act on the Protection of Young People in Employment

(JArbSchG)

Water hazard class (WGK) : WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

## 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   |  |
| BCF                         | Bioconcentration factor   |  |
| BLV                         | Biological limit value  |  |
| BOD                         | Biochemical oxygen demand (BOD)   |  |
| COD                         | Chemical oxygen demand (COD)  |  |
| DMEL                        | Derived Minimal Effect level  |  |
| DNEL                        | Derived-No Effect Level   |  |
| EC-No.                      | European Community number   |  |
| EC50                        | Median effective concentration  |  |
| EN                          | European Standard   |  |
| IARC                        | International Agency for Research on Cancer   |  |
| 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  |  |
| OECD                        | Organisation for Economic Co-operation and Development  |  |
| OEL                         | Occupational Exposure Limit   |  |
| PBT                         | Persistent Bioaccumulative Toxic  |  |
| PNEC                        | Predicted No-Effect Concentration   |  |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail                    |  |
| SDS                         | Safety Data Sheet   |  |
| STP                         | Sewage treatment plant  |  |
| ThOD                        | Theoretical oxygen demand (ThOD)  |  |

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| Abbreviations and acronyms: |  |  |
|-----------------------------|--|--|
| TLM                         | Median Tolerance Limit                   |  |
| VOC                         | Volatile Organic Compounds               |  |
| CAS-No.                     | Chemical Abstract Service number         |  |
| N.O.S.                      | Not Otherwise Specified                  |  |
| vPvB                        | Very Persistent and Very Bioaccumulative |  |

#### Data sources

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. ECHA (European Chemicals Agency). Supplier's safety documents.

| Full text of H- and EUH-statements: |  |  |
|-------------------------------------|--|--|
| H314                                | Causes severe skin burns and eye damage.   |  |
| H318                                | Causes serious eye damage.   |  |
| H335                                | May cause respiratory irritation.  |  |
| Skin Corr. 1B                       | Skin corrosion/irritation, Category 1, Sub-Category 1B                                     |  |
| STOT SE 3                           | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |  |

Safety Data Sheet (SDS), EU

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable