



**Unsuitable extinguishing media**

For this substance/mixture no limitations of extinguishing agents are given.

**Special hazards arising from the substance or mixture.**

Nature of decomposition products not known.

Not combustible.

Ambient fire may liberate hazardous vapours.

**Advice for firefighters**

In the event of fire, wear self-contained breathing apparatus.

**Further information**

Not available

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures:**

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

**Environmental precautions**

Do not let product enter drains.

**SECTION 7: HANDLING AND STORAGE**

**Precautions for safe handling** Keep only in original packaging.

**Storage Condition** No metal containers. Tightly closed.

**Storage class** Storage class (TRGS 510): 8B: Non-combustible, corrosive hazardous materials

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Personal Protection:** Safety glasses, Lab coat, Dust respirator, Gloves. Be sure to use an approved/certified respirator or equivalent.

**Personal Protection in Case of a Large Spill:** Splash goggles, Full suit, Dust respirator, Boots, Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist before handling this product.

**Exposure Limits:** Not available.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical state and appearance Form</b>	: Liquid
<b>Odour</b>	: Not Available
<b>Taste</b>	: Not Available
<b>Molecular Weight</b>	: Not Available
<b>Colour</b>	: Not Available
<b>pH</b>	: Not Available
<b>Boiling Point</b>	: Not Available
<b>Melting Point</b>	: Not Available.
<b>Critical Temperature</b>	: Not Available
<b>Relative Density</b>	: Not Available
<b>Vapor Pressure</b>	: Not Available
<b>Vapor Density</b>	: Not Available



<b>Volatility</b>	: Not Available
<b>Odor Threshold</b>	: Not Available
<b>Water/Oil Dist. Coeff.</b>	: Not Available
<b>Ionicity (in Water)</b>	: Not Available
<b>Dispersion Properties</b>	: Not Available
<b>Solubility</b>	: Not Available

### SECTION 10: STABILITY AND REACTIVITY DATA

**Stability:** The product is stable under standard ambient conditions (room temperature).

**Instability Temperature:** Not available

**Conditions of Instability:** Not Available

**Incompatibility with various substances:** Strong oxidizing agents Metals.

**Corrosivity:** Corrosive to metals

**Special Remarks on Reactivity:** Not Available

**Special Remarks on Corrosivity:** Not Available

**Polymerization:** Not Available

### SECTION 11: TOXICOLOGICAL INFORMATION

**Toxicity to Animals:**

**Acute toxicity**

LD50 Oral - Not Available

LD50 Dermal - Not Available

**Serious eye damage/eye irritation** Not Available

**Chronic Effects on Humans:** Not Available

**Other Toxic Effects on Humans:** Not Available

**Special Remarks on Toxicity to Animals:** Eye irritation.

**Special Remarks on Chronic Effects on Humans:** Not Available

**Special Remarks on other Toxic Effects on Humans:** Not Available

### SECTION 12: ECOLOGICAL INFORMATION

**Eco toxicity:** Not available

**BOD and COD:** Not available

**Products of Biodegradation:** Not Available

**Toxicity of the Products of Biodegradation:** Not available

**Special Remarks on the Products of Biodegradation:** Not available

### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal:** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

### SECTION 14: TRANSPORT INFORMATION

**UN number**

ADR/RID:1789

IMDG: 1789

IATA: 1789

**UN proper shipping name**

ADR/RID: HYDROCHLORIC ACID

IMDG: HYDROCHLORIC ACID



IATA: Hydrochloric acid

**Transport hazard class(es)**

ADR/RID:8

IMDG: 8

IATA: 8

**Packaging group**

ADR/RID:III

IMDG: III

IATA: III

**Environmental hazards**

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

**Special precautions for user**

No data available

**SECTION 15: OTHER REGULATORY INFORMATION**

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

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Other regulations**

Take note of Dir 94/33/EC on the protection of young people at work.

**SECTION 16: OTHER INFORMATION**

**Full text of H-Statements referred to under sections 2 and 3.**

H290 May be corrosive to metals.

The information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. The information is offered solely for user's obligation to investigate and determine the suitability of the information for their particular purpose.

