

Safety Data Sheet

Icon-Etch Refill

Product code: 220385 (6102)

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Chemical characterization

Hydrochloric (HCl).

Sum formula: HCl

Molecular weight: 36,46

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
	Hydrochloric (HCl).	15 - 20 %
7647-01-0	C - Corrosive, Xi - Irritant R34-37	

Full text of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air. Consult physician.

If victim is at risk of losing consciousness, position and transport on their side.

After contact with skin

After contact with skin, wash immediately with plenty of water. Remove contaminated clothing immediately and dispose off safely.

After contact with eyes

Move victim out of danger zone. Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult physician.

After ingestion

Do not induce vomiting. Rinse mouth immediately and drink large quantities of water. Consult physician.

SECTION 5: Firefighting measures

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture

Material is not combustible.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

The following must be prevented: inhalation. skin contact. Eye contact. Wear suitable protective clothing.

6.2. Environmental precautions

Do not empty into drains or the aquatic environment.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Suitable material for diluting or neutralizing: lime-Water. , "lime water" Ca(OH)₂ aq.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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Advice on safe handling

Wear suitable protective clothing and gloves. Avoid contact with eyes.

Further information on handling

Keep container tightly closed.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Suitable material for Container: Glass. material, acid proof.

Advice on storage compatibility

Do not store together with: Alkalis (alkalis). metal.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
7647-01-0	Hydrogen chloride (gas and aerosol mists)	1	2		TWA (8 h)	WEL
		5	8		STEL (15 min)	WEL

8.2. Exposure controls



Protective and hygiene measures

When using do not eat or drink.

Eye/face protection

Tightly sealed safety glasses.

Hand protection

Tested protective gloves are to be worn: Suitable material: NBR (Nitrile rubber):.0,4mm

Respiratory protection

The following must be prevented: inhalation. Exceeding critical value: Filter respirator (full mask or mouth-piece) with filter: A

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Paste
Colour: green
Odour: pungent

Test method

pH-Value: ca.1

Changes in the physical state

point of decomposition: >100 °C

Lower explosion limits:

Upper explosion limits:

Vapour pressure: ca.21 hPa
(at 20 °C)

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Density (at 20 °C): ca 1,1 g/cm³
Water solubility: miscible.

SECTION 10: Stability and reactivity

10.4. Conditions to avoid

at °C: ca 100-point of decomposition

10.5. Incompatible materials

metals in powder form. metal. amines. Alkalis (alkalis).

10.6. Hazardous decomposition products

Hydrochloric (HCl).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Acute toxicity, oral LD50: (species: Rat.): 3000 ppm (Vol.)/1h

Irritation and corrosivity

Irritant effect on the eye: corrosive. Risk of serious damage to eyes.

Irritant effect on the skin: Causes burns.

Following inhalation: Coughing. shortage of breath. Gas / vapours, irritant.

After ingestion: Causes burns. Nature of Hazard: Stomach perforation.

Additional information on tests

highly caustic.

SECTION 12: Ecological information

Further information

Leakage into the environment must be prevented.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Remove according to the regulations.

Waste disposal number of waste from residues/unused products

180106 WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care); wastes from natal care, diagnosis, treatment or prevention of disease in humans; chemicals consisting of or containing dangerous substances
Classified as hazardous waste.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 1789
14.2. UN proper shipping name: HYDROCHLORIC ACID
14.3. Transport hazard class(es): 8
14.4. Packing group: II
Hazard label: 8

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Classification code: C1
Special Provisions: 520
Limited quantity: 1 L
Transport category: 2
Hazard No: 80
Tunnel restriction code: E

Other applicable information (land transport)

E2

Marine transport (IMDG)

14.1. UN number: UN 1789
14.2. UN proper shipping name: HYDROCHLORIC ACID
14.3. Transport hazard class(es): 8
14.4. Packing group: II
Hazard label: 8



Special Provisions: -
Limited quantity: 1 L
EmS: F-A, S-B

Other applicable information (marine transport)

E2

Air transport (ICAO)

14.1. UN number: UN 1789
14.2. UN proper shipping name: HYDROCHLORIC ACID
14.3. Transport hazard class(es): 8
14.4. Packing group: II
Hazard label: 8



Special Provisions: A3
Limited quantity Passenger: 0.5 L
IATA-packing instructions - Passenger: 851
IATA-max. quantity - Passenger: 1 L
IATA-packing instructions - Cargo: 855
IATA-max. quantity - Cargo: 30 L

Other applicable information (air transport)

E2

: Y840

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

SECTION 15: Regulatory information

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

National regulatory information

SECTION 16: Other information

Relevant R-phrases (Number and full text)

- 34 Causes burns.
- 37 Irritating to respiratory system.

Relevant H- and EUH-phrases (Number and full text)

- H290 May be corrosive to metals.
- H314 Causes severe skin burns and eye damage.
- H335 May cause respiratory irritation.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)