

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Icon Etch

Revision date: 15.04.2021

Product code: 6102

Page 1 of 6

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Icon Etch

CAS No: 7647-01-0
Index No: 017-002-00-2
EC No: 231-595-7

1.2. Relevant identified uses of the substance or mixture and uses advised against**Uses advised against**

pregnant or breastfeeding people should not work with hazardous substances

1.3. Details of the supplier of the safety data sheet

Company name: DMG Chemisch-Pharmazeutische Fabrik GmbH
Street: Elbgaustraße 248
Place: D-22547 Hamburg
Telephone: +49. (0) 40. 84006-0
e-mail: info@dmg-dental.com
Internet: www.dmg-dental.com
Telefax: +49. (0) 40. 84006-222

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No 1272/2008**

Hazard categories:

Skin corrosion/irritation: Skin Corr. 1B

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

May be corrosive to metals.

May cause respiratory irritation.

Causes severe skin burns and eye damage.

2.2. Label elements**Regulation (EC) No 1272/2008**

Signal word: Danger

Pictograms:

**Hazard statements**

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

Precautionary statements

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Icon Etch

Revision date: 15.04.2021

Product code: 6102

Page 2 of 6

Chemical characterization

Hydrochloric (HCl).

Sum formula: HCl

Molecular weight: 36,46

Hazardous components

none (according to Regulation (EC) No 1907/2006 (REACH))

SECTION 4: First aid measures**4.1. Description of first aid measures****After inhalation**

Provide fresh air. Medical treatment necessary.

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. Medical treatment necessary.

After ingestion

Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Medical treatment necessary.

SECTION 5: Firefighting measures**5.1. Extinguishing media****5.2. Special hazards arising from the substance or mixture**

The product itself does not burn.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****General advice**

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

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up**Other information**

Absorb with liquid-binding material (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****Advice on safe handling**

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

Advice on general occupational hygiene

When using do not eat or drink.

Further information on handling

Keep container tightly closed.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Icon Etch

Revision date: 15.04.2021

Product code: 6102

Page 3 of 6

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.

Hints on joint storage

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

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Occupational exposure limits**

| CAS No | Substance | ppm | mg/m ³ | fib/cm ³ | Category | Origin |
|-----------|-------------------|-----|-------------------|---------------------|---------------|--------|
| 7647-01-0 | Hydrogen chloride | 5 | 8 | | TWA (8 h) | |
| | | 10 | 15 | | STEL (15 min) | |

8.2. Exposure controls**Individual protection measures, such as personal protective equipment****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.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

| | | |
|-------------------------|---------|-------------------------|
| Physical state: | Paste | |
| Colour: | green | |
| Odour: | pungent | |
| pH-Value: | | ca.1 |
| Water solubility: | | miscible. |
| Vapour pressure: | | ca.21 hPa |
| (at 20 °C) | | |
| Density (at 20 °C): | | ca1,1 g/cm ³ |
| point of decomposition: | | >100 °C |

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).

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Icon Etch

Revision date: 15.04.2021

Product code: 6102

Page 4 of 6

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****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

strongly corrosive.

SECTION 12: Ecological information**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

Further information

Leakage into the environment must be prevented.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Remove according to the regulations.

List of Wastes Code - 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 hazardous substances; hazardous waste

SECTION 14: Transport information**Land transport (ADR/RID)**

| | |
|-------------------------------------------------|-------------------|
| <u>14.1. UN number or ID number:</u> | UN 1789 |
| <u>14.2. UN proper shipping name:</u> | HYDROCHLORIC ACID |
| <u>14.3. Transport hazard class(es):</u> | 8 |
| <u>14.4. Packing group:</u> | II |
| Hazard label: | 8 |



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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Icon Etch

Revision date: 15.04.2021

Product code: 6102

Page 5 of 6

Other applicable information (land transport)

E2

Marine transport (IMDG)

14.1. UN number or ID 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-TI/IATA-DGR)

14.1. UN number or ID 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**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):
 Entry 3

National regulatory information**SECTION 16: Other information****Relevant H and EUH statements (number and full text)**

H290 May be corrosive to metals.
 H314 Causes severe skin burns and eye damage.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Icon Etch

Revision date: 15.04.2021

Product code: 6102

Page 6 of 6

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.)