

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Icon-Etch

Print date: 03.07.2014

Product code: 6102

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

Icon-Etch

Product group: Endprodukt
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**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 Telefax: +49. (0) 40. 84006-222
e-mail: info@dmg-dental.com
Internet: www.dmg-dental.com

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Indications of danger: C - Corrosive
R phrases:
Causes burns.
Irritating to respiratory system.

GHS classification

Hazard Statements:
May cause respiratory irritation.
Causes severe skin burns and eye damage.

2.2. Label elements

Signal word: Danger
Pictograms: GHS05-GHS08

**Hazard statements**

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.

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

Hydrochloric (HCl).

Sum formula: HCl

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Molecular weight: 36,46

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
	Hydrochloric (HCl).	
7647-01-0	C - Corrosive, Xi - Irritant R34-37	15 - 20 %

Full text of R and H 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****Advice on safe handling**

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

Further information on handling

Keep container tightly closed.

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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.

Respiratory protection

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

Hand protection

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

Eye protection

Tightly sealed safety glasses.

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

Changes in the physical state

point of decomposition:

>100 °C

Lower explosion limits:

Upper explosion limits:

Vapour pressure:

ca. 21 hPa

(at 20 °C)

Density (at 20 °C):

ca. 1,1 g/cm³

Water solubility:

miscible.

Test method**SECTION 10: Stability and reactivity**

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



Classification code: C1
Special Provisions: 520
Limited quantity: 1 L

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Transport category: 2
 Hazard No: 80
 Tunnel restriction code: E

Other applicable information (land transport)

E2

Marine transport (IMDG)

14.1. UN number: 1789
14.2. UN proper shipping name: CHLORWASSERSTOFFSÄURE
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: 1789
14.2. UN proper shipping name: CHLORWASSERSTOFFSÄURE
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

Dangerous for the environment: no

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

National regulatory information

SECTION 16: Other information

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Full text of R phrases referred to under Sections 2 and 3

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

Full text of H statements referred to under Sections 2 and 3

- 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.)