

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Icon Etch

Revision date: 08.05.2021

Product code: 220400, 220401, 220402, 220403 (GHS_6700)

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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

Use of the substance/mixture

for dental use only

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 America LLC
Street: 242 South Dean Street, Englewood NJ. 07631
Telephone: (800) 662-6383
(800) 535-5053 (*INFOTRAC Emergency contact*)
e-mail: Info@dmg-america.com
Internet: www.dmg-america.com

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.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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Chemical characterization

Hydrochloric (HCl).

Sum formula: HCl

Molecular weight: 36,46

Hazardous components

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	GHS Classification	
7647-01-0	Hydrochloric (HCl).	15 - 20 %

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

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

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

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.

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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.

Hints on joint storage

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.

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: (at 20 °C)		ca.21 hPa
Density (at 20 °C):		ca1,1 g/cm ³
Water solubility:		miscible.

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

strongly corrosive.

SECTION 12: Ecological information

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)

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



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

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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-TI/IATA-DGR)

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

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

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.

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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.)