

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Trade name / designation : CERAM-ETCH  
 Article No (user) : CRAM-ETCH

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

Relevant identified uses : Dental products  
 Uses advised against : No data available

#### 1.3. Details of the supplier of the safety data sheet

Supplier : ITENA CLINICAL  
 Street: 83, Avenue Foch  
 Postal code / City: 75116 Paris  
 Country: France  
 Telephone: [+33 1 45 91 30 06](tel:+33145913006)  
 Telefax: [+ 33 1 45 91 61 31](tel:+33145916131)  
 E-mail: [contact@itena-clinical.com](mailto:contact@itena-clinical.com)



#### 1.4 Emergency Telephone Number

In England and Wales: dial 111 ( NHS 111), In Scotland: dial 111 (NHS 24), In Northern Ireland: Contact your local GP or pharmacist during normal hours. During GP Out-of-Hours ([www.gpoutofhours.hscni.net/](http://www.gpoutofhours.hscni.net/)): Belfast HSC Trust, (North & West) 028 9074 4447, (South & East) 028 9079 6220 South Eastern HSC Trust, (North Down & Ards) 028 9182 2344, (Lisburn & Downpatrick) 028 9260 2204, Dalriada Urgent Care (Northern Trust area) 028 2566 3500, Southern HSC Trust 028 3839 9201, Western Urgent Care 028 7186 5195 Not available

### SECTION 2: Hazards identification


#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

	Classification	Hazard statements
	Skin Corr. 1A	H314 Causes severe skin burns and eye damage
	Skin Irrit. 2	H315 Causes skin irritation

#### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms	
Signal word	Danger
Product identifiers	-
Hazard Statements	H314 - Causes severe skin burns and eye damage H315 - Causes skin irritation
Supplemental Hazard information (EU)	-
Precautionary Statements - General	P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children.
Precautionary Statements - Prevention	P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statements - Response	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Precautionary Statements - Storage	-

Precautionary Statements - Disposal -

### 2.3. Other hazards

Adverse human health effects and symptoms : Prolonged or repeated contact with skin or mucous membrane result in irritation symptoms such as redness, blistering, dermatitis, etc.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Substance	C (%)	Classification	Specific concentration limits	Note
hydrofluoric acid ... % CAS N°:7664-39-3 EC N°:231-634-8 IDX N°:009-003-00-1	C≤ 9.0%	Skin Corr. 1A: H314 Acute Tox. 2: H310 Acute Tox. 2: H330 Acute Tox. 2: H300	Skin Corr. 1A; H314: C ≥ 7 % Skin Corr. 1B; H314: 1 % ≤ C < 7 % Eye Irrit. 2; H319: 0,1 % ≤ C < 1 %	-

### 3.2. Mixtures

The mixture does not contain any substances classified as Substances of Very High Concern (SVHC) by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

### 3.3. Remark

Text phrases and H- EUH-: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- General information : In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
- Following inhalation : Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.
- Following skin contact : After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.
- Following eye contact : In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.
- Following ingestion : Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water.
- Self-protection of the first aider : First aider: Pay attention to self-protection!

### 4.2. Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

### 4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor : Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Foam Extinguishing powder Carbon dioxide (CO2)

### 5.2. Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

### 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

### 5.4. Additional information

Do not inhale vapors and fumes. Co-ordinate fire-fighting measures to the fire surroundings. Move undamaged containers from immediate hazard area if it can be done safely. Use caution when applying carbon dioxide in confined spaces. carbon dioxide can displace oxygen. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. Provide adequate ventilation.

### 6.2. Environmental precautions

Ensure that waste is collected and contained. Do not allow to enter into surface water or drains.

### 6.3. Methods and material for containment and cleaning up

Treat the recovered material as prescribed in the section on waste disposal. Wipe up with absorbent material (eg. cloth, fleece).

### 6.4. Reference to other sections

Safe handling: see section 7 Disposal: see section 13 Personal protection equipment: see section 8

### 6.5. Additional information

Not available

## SECTION 7: Handling and Storage

### 7.1. Precautions for safe handling

Protective measures

Avoid contact with skin, eyes and clothes. Use only in well-ventilated areas.

Advices on general occupational hygiene

In the immediate working surroundings there must be: Provide eye shower and label its location conspicuously

Wash hands before breaks and after work. Wash contaminated clothing before reuse. When using do not eat, drink, smoke, sniff.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry, cool, and well-ventilated place. Keep only in original container.

Requirements for storage rooms and vessels

Ensure adequate ventilation of the storage area. Protect from direct sunlight. Keep away from heat.

### 7.3. Specific end uses

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## SECTION 8: Exposure controls / personal protection

### 8.1. Control parameters

Not available

### 8.2. Exposure controls

#### Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment. Use only in well-ventilated areas.

#### Personal protection equipment



Eye/face protection

: Goggles

Suitable eye protection: Wear eye protection equipment.

Skin protection

: Hand protection: Suitable gloves type: Wear protective gloves.

Hand protection: Suitable material: NR (natural rubber, natural latex)

Hand protection: Additional hand protection measures.: Do not wear gloves near machines and rotating tools. Use gloves only once.

Hand protection: Remark: When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Breakthrough times and swelling properties of the material must be taken into consideration.

Hand protection: Disposable gloves

Respiratory protection : Remark: The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used. Observe the wear time limits as specified by the manufacturer. Use only respiratory protection equipment with CE-symbol including four digit test number.

### 8.3. Additional information

Not available

## SECTION 9: Physical and chemical Properties

### 9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	light yellow
Odour:	Without Odor
Odour threshold:	
PH:	Not available
Melting point/freezing point:	
Initial boiling point and boiling range:	°C
Flash point:	°C
Evaporation rate:	
Flammability:	
Upper/lower flammability or explosive limits:	
Vapour pressure:	
Vapour density:	
Relative density:	
Solubility(ies):	
Partition coefficient: n-octanol/water (Log KOC):	
Auto-ignition temperature:	
Decomposition temperature:	
Viscosity:	
Explosive properties:	
Oxidising properties:	

### 9.2. Other safety information

Not available

## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

Not available

### 10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

### 10.4. Conditions to avoid

Heat

### 10.5. Incompatible materials

Not available

### 10.6. Hazardous decomposition products

Not available

### 10.7. Additional information

Not available

## SECTION 11: Toxicological information

### 11.1. Acute oral toxicity

#### Data for mixture

Species : Rat

subendpoint	Operator	Value	Unit
LD50:	>	5000	mg/kg bw

#### Substances

Not available

### 11.2. Acute skin toxicity

#### Data for mixture

Not available

#### Substances

Not available

### 11.3. Acute inhalation toxicity

#### Data for mixture

Not available

#### Substances

Not available

### 11.4. Skin corrosion

#### Data for mixture

Not available

#### Substances

Not available

### 11.5. Eye damage

#### Data for mixture

Not available

#### Substances

Not available

### 11.6. Skin sensitisation

#### Data for mixture

Not available

#### Substances

Not available

### 11.7. STOT RE

#### Data for mixture

Not available

#### Substances

Not available

### 11.8. STOT SE

#### Data for mixture

Not available

#### Substances

Not available

### 11.9. STOT RE

#### Data for mixture

Not available

#### Substances

Not available

### 11.10. Carcinogenicity

#### Data for mixture

Not available

#### Substances

Not available

#### 11.11. Reproductive and Developmental Toxicity

##### Data for mixture

Not available

#### Substances

Not available

#### 11.12. genotoxicity

##### Data for mixture

Not available

#### Substances

Not available

#### 11.13. In vitro genotoxicity

##### Data for mixture

Not available

#### Substances

Not available

#### 11.14. Respiratory sensitisation

##### Data for mixture

Not available

#### Substances

Not available

#### Additional information

Prolonged or repeated contact with skin or mucous membrane result in irritation symptoms such as redness, blistering, dermatitis, etc. May produce an allergic reaction.

#### Substances

Not available

##### Data for mixture

Prolonged or repeated contact with skin or mucous membrane result in irritation symptoms such as redness, blistering, dermatitis, etc. May produce an allergic reaction.

## SECTION 12: Ecological information

#### 12.1. Toxicity

Based on available data, the classification criteria are not met.

#### 12.2. Persistence and degradability

The product has not been tested.

#### 12.3. Bioaccumulative potential

The product has not been tested.

#### 12.4. Mobility in soil

The product has not been tested.

#### 12.5. Results of PBT and vPvB assessment

No data available

#### 12.6. Other adverse effects

No data available

#### 12.7. Additional ecotoxicological information

Not available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal

Waste codes / waste designations according to EWC / AVV: The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Waste treatment options: Appropriate disposal / Product: Waste requiring special supervision. Dispose of waste according to applicable legislation. Delivery to an approved waste disposal company.

Waste treatment options: Appropriate disposal / Package: Dispose of waste according to applicable legislation.

### 13.2. Additional information

Not available

## SECTION 14: Transport information

	Land transport (ADR/RID)	Inland waterway transport (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number	1790	1790	1790	1790
14.2. UN proper shipping name	HYDROFLUORIC ACID with more than 85% hydrogen fluoride	HYDROFLUORIC ACID with more than 85% hydrogen fluoride	HYDROFLUORIC ACID with more than 85% hydrogen fluoride	HYDROFLUORIC ACID with more than 85% hydrogen fluoride
14.3. Transport hazard class(es)				
Class or Division	8	8	8	8
Hazard label(s)				
14.4. Packing group	I	I	I	I

### 14.5. Environmental hazards

Not available

### 14.6. Special precautions for user

Not available

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not available

### 14.8. Additional information

Not available

## SECTION 15: Regulatory information

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

This SDS has been established in accordance with REACH regulation, including its amendments: REACH Regulation (EC) No 1907/2006. This SDS has been established in accordance with CLP regulation, including its amendments: CLP Regulation EC No. 1272/2008.

Not available--]

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### 15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier. For this substance/ mixture a chemical safety assessment has been elaborated. For this mixture, the relevant data of the Substances' Chemical safety assessment are integrated in the sections of the SDS.

### 15.3. Additional information

Not available

## SECTION 16: Other information

Creation date: 14/11/2018  
Version date: 14/11/2018  
Printing date: 14/11/2018

### 16.1. Indication of changes

Not applicable (first edition of the MSDS).

### 16.2. Abbreviations and acronyms

ADN / ADNR: Regulations concerning the transport of dangerous substances in barges on the waterways. ADR / RID: European Agreement concerning the International Carriage of Dangerous Goods by Road / Regulations concerning the international carriage of dangerous goods by rail. CAS: Chemical Abstract Service Number IATA: International Air Transport Association IMDG: International Maritime Dangerous Goods Code DPD Dangerous Preparation Directive UN number: United Nations number No EC: European Commission Number CLP: Classification, labeling and packaging VPvB: very persistent and very bioaccumulative substances

### 16.3. Key literature references and sources for data

No data available

### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Classification of the mixture is in accordance with the evaluation method described in Regulation (EC) No 1272/2008.

### 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

H300	Fatal if swallowed
H310	Fatal in contact with skin
H314	Causes severe skin burns and eye damage
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H330	Fatal if inhaled

### 16.6. Training advice

Not available

### 16.7. Additional information

Not available

The information given in this Safety Data Sheet is based on our present knowledge and on european and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.