

**MATERIAL SAFETY DATA SHEET****Product Name:** HYDROFLUORIC ACID**CAS No.:** 7664-39-3**Version:** 0**1. Identification**

**Product Code** : 90423,90170,91858,91886,90171  
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**2. Hazards Identification****Hazard classification**

Acute toxicity, Oral : Category 2  
Acute toxicity, Inhalation : Category 2  
Acute toxicity, Dermal : Category 1  
Skin corrosion : Category 1 A

**Labels elements**

Hazard symbol

**Signal word** : Danger**Hazard statement** : Fatal if swallowed, in contact with skin or if inhaled  
Causes severe skin burns and eye damage.

**Precautionary statement** : Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Wear protective gloves/ protective clothing/ eye protection/ face protection.  
IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Store in a well-ventilated place. Keep container tightly closed.

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**Ingredient** : HF  
**CAS No.** : 7664-39-3  
**Percent** : NA  
**Formula** : HF  
**Molecular Weight** : 20.01g/mol

**4. First Aid Measures****Description of first aid measures**

**General advice** : Consult a physician. Show this safety data sheet to the doctor in attendance.

**Inhalation** : If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**Skin contact** : Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

**Eye contact** : Flush eyes with water as a precaution.

**Swallowed** : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Most important symptoms and effects, both acute and delayed** : The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

**Indication of any immediate medical attention and special treatment needed Treatment** : No data available

**5. Fire fighting measures****Extinguishing media**

**Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substance or mixture** : Hydrogen fluoride

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**Advice for firefighters** : Wear self contained breathing apparatus for firefighting if necessary.

**6. Accidental Release Measures**

**Personal precautions, protective equipment and emergency procedures** : Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

**Environmental precautions** : Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**Methods and materials for containment and cleaning up** : Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

**7. Handling and storage**

**Precautions for safe handling** : Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

**Conditions for safe storage, including any incompatibilities** : Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**8. Exposure Controls / Personal Protection**

**Exposure limit** : No data available

**Appropriate engineering controls** : Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

**Personal protective equipment**

Respiratory protection : Air-purifying respirators

Hand protection : Handle with gloves

Eye protection : Face shield and safety glasses

Skin and Body Protection : Complete suit protecting against chemicals

**9. Physical and Chemical Properties**

**Appearance** : A clear,colorless to yellow liquid.

**Odor** : No data available

**pH** : No data available

**Melting point/freezing point** : No data available

**Initial boiling point and boiling** : No data available

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range

<b>Flash Point</b>	:	No data available
<b>Vapor pressure</b>	:	No data available
<b>Vapor density</b>	:	No data available
<b>Relative density</b>	:	No data available
<b>Solubility in water</b>	:	No data available
<b>Solubility (other)</b>	:	No data available

**10. Stability and Reactivity**

<b>Reactivity</b>	:	No data available
<b>Chemical stability</b>	:	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	:	No data available
<b>Conditions to avoid</b>	:	No data available
<b>Incompatible materials</b>	:	No data available
<b>Hazardous decomposition products</b>	:	Hazardous decomposition products formed under fire conditions. - Hydrogen fluoride

**11. Toxicological Information****Information on toxicological effects**

<b>Acute toxicity</b>	:	No data available
<b>Skin corrosion/irritation</b>	:	No data available
<b>Serious eye damage/eye irritation</b>	:	No data available
<b>Respiratory or skin sensitization</b>	:	No data available
<b>Germ cell mutagenicity</b>	:	No data available
<b>Carcinogenicity</b>		
IARC	:	No data available
NTP	:	No data available
OSHA	:	No data available
<b>Reproductive toxicity</b>	:	No data available
<b>Route of Exposure</b>	:	No data available
<b>Signs and Symptoms of Exposure</b>	:	No data available

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**Toxicity** : No data available  
**Persistence and degradability** : No data available  
**Bioaccumulative potential** : No data available  
**Mobility in soil** : No data available.  
**Other adverse effects** : No data available.

**13. Disposal consideration**

**Disposal instructions** : Offer surplus and non-recyclable solutions to a licensed disposal company.  
**Contaminated packaging** : Dispose of as unused product.

**14. Transport Information**

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
<b>DOT</b>	1790	HYDROFLUORIC ACID	8 (6.1)	II	No
<b>IMDG</b>	1790	HYDROFLUORIC ACID	8 (6.1)	II	No
<b>IATA</b>	1790	HYDROFLUORIC ACID	8 (6.1)	II	No

**15. Regulatory Information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture  
No Data Available.

**16. Other Information****Issue Date** :01/06/2014**Version** : 0

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