

## SAFETY DATA SHEET

according to GHS(fifth revised edition)

### Section 1 - Product and Company Identification

<b>Product name</b>	Hydrofluoric Acid 70%
<b>Seller name</b>	NIPPON INTERTRADE CO.,LTD.
<b>Seller address</b>	58 Soi Suksawat 31/1, Suksawat Road, Rajburana, Rajburana, Bangkok 10140
<b>Seller Tel</b>	+66 02 427 7707
<b>Seller emergency number</b>	+66 096 969 6928
<b>Applicant email</b>	swfhm@16
<b>Manufacturer name</b>	FUJIAN SHAOWU YONGFEI CHEMICAL CO., LTD.
<b>Manufacturer address</b>	NO.18 XIN'AN ROAD, SHAOWU CITY, FUJIAN PROVINCE, CHINA
<b>Manufacturer post code</b>	354001
<b>Manufacturer fax</b>	+86-599-6655755
<b>Manufacturer emergency number</b>	+86-599-6654089
<b>SDS number</b>	DG1414340E
<b>Effective date</b>	Dec 02, 2014

### Section 2 –Hazards Identification

Hazard class and label elements of the substance according to GHS(the fifth revised edition):

GHS hazard class

<b>Health hazard(s)</b>	Acute toxicity, oral	category2
	Acute toxicity, dermal	category1
	Skin corrosion/irritation	category1
	Acute toxicity, inhalation	category2

**Pictogram**



**Signal**

Danger

**Hazard statement(s)**

H300 Fatal if swallowed

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

**Precautionary statements****Prevention**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
 P262 Do not get in eyes, on skin, or on clothing.  
 P264 Wash thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P271 Use only outdoors or in a well-ventilated area.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P284 [In case of inadequate ventilation] wear respiratory protection.

**Response**

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 Immediately call a POISON CENTER/doctor.  
 P330 Rinse mouth.  
 P361+P364 Take off immediately all contaminated clothing and wash it before reuse.  
 P363 Wash contaminated clothing before reuse.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P405 Store locked up.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Storage****Disposal**

### Section 3 – Composition/Information on Ingredients

Component	Concentration(%)	CAS No.	EC No.
Hydrofluoric Acid	70	7664-39-3	231-634-8

### Section 4 – First Aid Measures

<b>After skin contact</b>	Take off the contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.
<b>After eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>After ingestion</b>	Do Not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
<b>After inhalation</b>	If breathed in, move person into fresh air. If not breathing, give artificial

respiration. Consult a physician.

## Section 5 – Fire Fighting Measures

<b>Hazardous products of combustion</b>	Carbon oxides, Hydrogen fluoride
<b>Extinguishing method</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Special protective equipment</b>	Wear self contained breathing apparatus for fire fighting if necessary.

## Section 6 – Accidental Release Measure

<b>Personal protective measures</b>	Use personal protective equipment. Ensure adequate ventilation. Avoid breathing vapors, mist or gas. Evacuate personnel to safe areas.
<b>Environmental protective measures</b>	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
<b>Methods for taking in and cleaning up</b>	Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

## Section 7 – Handling and Storage

<b>Handling</b>	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
<b>Storage</b>	Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

## Section 8 – Exposure Controls/Personal Protection

<b>Engineering Controls</b>	Safety shower and eye bath. Mechanical exhaust required.
<b>Respiratory protection</b>	Use a full-face supplied air respirator.
<b>Eye protection</b>	Wear chemical goggles.
<b>Hand Protection</b>	Wear impervious chemical resistant gloves.
<b>Body protection</b>	Protective work clothing.

## Section 9 – Physical and Chemical Properties

<b>Appearance and properties:</b> Colorless transparent liquid	<b>Odor:</b> No data available
<b>Odor threshold:</b> No data available	<b>pH value:</b> No data available
<b>Melting point/freezing point(°C):</b> No data available	<b>Initial boiling point and boiling range(°C):</b> No data available
<b>Flash point(°C)(closed cup):</b> No data available	<b>Evaporation Rate:</b> No data available
<b>Flammability:</b> No data available	<b>Upper explosive limit%(V/V):</b> No data available
<b>Lower explosive limit%(V/V):</b> No data available	<b>Vapor pressure(MPa):</b> No data available
<b>Vapor density(g/mL):</b> No data available	<b>Relative density(g/cm<sup>3</sup>):</b> No data available
<b>Solubility:</b> No data available	<b>Octanol / water partition coefficient:</b> No data available
<b>Auto-ignition temperature(°C):</b> No data available	<b>Decomposition temperature(°C):</b> No data available
<b>Kinematic viscosity (mm<sup>2</sup>/s):</b> No data available	

## Section 10 – Stability and Reactivity

<b>Reactive</b>	No data available
<b>Chemical stability</b>	Stable under the condition recommended.
<b>Possibility of hazardous reactions</b>	No data available

**Avoid conditions** Heat, flames and sparks.  
**Incompatible materials** Metals, Alkali metals, Strong bases  
**Hazardous decomposition products** Hydrogen fluoride

## Section 11 – Toxicological Information

**Acute toxicity:**  
 Hydrofluoric Acid: LC<sub>50</sub>(rat,Inhalation,4h)638 ppmV  
**Skin corrosion/irritation:** Cause serious skin burns  
**Serious eye damage/eye irritation:** Cause serious eye injury  
**Respiratory or skin sensitization:** No data available  
**Germ cell mutagenicity:** No data available  
**Carcinogenicity:** No data available  
**Reproductive toxicity:** No data available  
**Specific target organ toxicity – single exposure:** No data available  
**Specific target organ toxicity – repeated exposure:** No data available  
**Aspiration hazard:** No data available

## Section 12 – Ecological Information

**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

## Section 13 – Disposal Considerations

**Property of waste:** No data available  
**Methods of disposal:** Dispose of in a manner consistent with federal, state, and local regulations.  
**Precautions of disposal:** Operators must have received specialized training in explosive nature disposal.

## Section 14 - Transport Information

**UN number:** 1790  
**UN proper shipping name:** HYDROFLUORIC ACID, with more than 60% hydrogen fluoride  
**Transportation primary hazard class:** 8  
**Transportation secondary hazard class:** 6.1  
**Packing group:** II

## Section 15 - Regulatory Information

Component	CHINA	TSCA	ENCS	EINECS
Hydrofluoric Acid	√	√	√	√

**Note 1:**  
**CHINA** - China Inventory of Existing Chemical Substances (IECSC)  
**TSCA** - United States Inventory of Toxic Substances Control Act Chemical Substances (TSCA)  
**ENCS** - Japan Existing and New Chemical Substances (ENCS)  
**EINECS** - European Inventory of Existing Commercial Chemical Substances (EINECS)

**Note 2:**

"√" Indicates that the substance included in the regulations

"-" That no data or included in the regulations

## Section 16 - Additional Information

<b>Prepared by:</b>	Changzhou Testing Center of Entry-Exit Industrial and Consumable Products
<b>Completion Date:</b>	Dec 02, 2014
<b>Modification statement:</b>	Original. Please update before the implementation of the GHS Sixth revised edition. This Safety Data Sheet (SDS) was prepared according to UN GHS (the fifth revised edition) and the information included is based on the present state of our knowledge. However, the information is provided without any warranty, express or implied, regarding its correctness and is only for users reference. Users should make their independent judgement of suitability of these information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.
<b>Other information:</b>	