

# SAFETY DATA SHEET

## 1. Identification

Product identifier	HYDROFLUORIC ACID, VERITAS® DOUBLE DISTILLED		
Other means of identification			
Product code	1229		
Recommended use	professional, scientific and technical activities: other professional, scientific and technical activities manufacture of other chemical products		
<b>Recommended restrictions</b>	None known.	None known.	
Manufacturer/Importer/Supplier/Distributor information			
Manufacturer			
Company name	GFS Chemicals, Inc.		
Address	P.O. Box 245		
	Powell, OH 43065		
	United States		
Telephone	Phone	740-881-5501	
	Toll Free	800-858-9682	
	Fax	740-881-5989	
Website	www.gfschemicals.com		
E-mail	service@gfschemicals.com		
Emergency phone number	Emergency Assistance	Chemtrec 800-424-9300	

# 2. Hazard(s) identification

Physical hazards	Not classified.	
Health hazards	Acute toxicity, oral	Category 2
	Acute toxicity, dermal	Category 1
	Acute toxicity, inhalation	Category 3
	Skin corrosion/irritation	Category 1
	Serious eye damage/eye irritation	Category 1
	Specific target organ toxicity, repeated exposure	Category 1
Environmental hazards	Not classified.	
OSHA defined hazards	Not classified.	
Label elements		



Signal word	Danger
Hazard statement	Fatal if swallowed. Fatal in contact with skin. Causes severe skin burns and eye damage. Causes serious eye damage. Toxic if inhaled. Causes damage to organs through prolonged or repeated exposure.
Precautionary statement	
Prevention	Do not breathe mist or vapor. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.
Response	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. If swallowed: Rinse mouth. Do NOT induce vomiting. 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. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Take off immediately all contaminated clothing and wash it before reuse.
Storage	Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Hazard(s) not otherwise classified (HNOC)
Supplemental information

Disposal

None.

None known.

## 3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
WATER		7732-18-5	52
HYDROGEN FLUORIDE		7664-39-3	48

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. First-aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a POISON CENTER or doctor/physician.
Skin contact	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse. After washing, skin burns may be treated with calcium gluconate salve or soaked in 0.2% iced Hyamine 1662 or 0.13% iced aqueous Zephiran Chloride and get medical attention.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.
Ingestion	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Drink milk of magnesia or Tums with water or milk.
Most important symptoms/effects, acute and delayed	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Prolonged exposure may cause chronic effects.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
General information	Take off immediately all contaminated clothing. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Discard any shoes or clothing items that cannot be decontaminated.

# 5. Fire-fighting measures

Suitable extinguishing media Unsuitable extinguishing media	Use extinguishing agent suitable for type of surrounding fire. Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Hydrogen Fluoride.
Special protective equipment and precautions for firefighters	Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods General fire hazards	Use standard firefighting procedures and consider the hazards of other involved materials. No unusual fire or explosion hazards noted. Will volatilize in general fire conditions.

## 6. Accidental release measures

Personal precautions,	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear
protective equipment and	appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do
emergency procedures	not touch damaged containers or spilled material unless wearing appropriate protective clothing.
	Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be
	contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up	Stop leak if you can do so without risk. This product is miscible in water. Should not be released into the environment. Prevent entry into waterways, sewer, basements or confined areas. Clean up in accordance with all applicable regulations.	
	Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.	
	Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.	
	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.	
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.	
7. Handling and storage		
Precautions for safe handling	Do not breathe mist or vapor. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Avoid prolonged exposure. When using, do not eat, drink or smoke. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.	
Conditions for safe storage, including any incompatibilities	Store locked up. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).	

## 8. Exposure controls/personal protection

## **Occupational exposure limits**

Components	FR 1910.1000) Type	Value
HYDROGEN FLUORIDE (CAS 7664-39-3)	TWA	3 ppm
US. ACGIH Threshold Limi	t Values	
Components	Туре	Value
HYDROGEN FLUORIDE (CAS 7664-39-3)	Ceiling	2 ppm
	TWA	0.5 ppm
US. NIOSH: Pocket Guide	to Chemical Hazards	
Components	Туре	Value
HYDROGEN FLUORIDE (CAS 7664-39-3)	Ceiling	5 mg/m3
,		6 ppm
	TWA	2.5 mg/m3
		3 ppm
ological limit values	No biological exposure limits noted for	or the ingredient(s)
• · · · · · · · · · · · · · · · · · · ·	5	
posure guidelines	5	
-		
posure guidelines US ACGIH Threshold Limit	Values: Skin designation	
posure guidelines US ACGIH Threshold Limit HYDROGEN FLUORIDE ((	Values: Skin designation	be absorbed through the skin.
posure guidelines US ACGIH Threshold Limit HYDROGEN FLUORIDE ((	<b>: Values: Skin designation</b> CAS 7664-39-3) Can b Julations, Title 8, Section 5155. Airl	be absorbed through the skin.
posure guidelines US ACGIH Threshold Limit HYDROGEN FLUORIDE (( US. California Code of Reg	<b>Values: Skin designation</b> CAS 7664-39-3) Can b <b>Julations, Title 8, Section 5155. Airl</b> AS F (CAS 7664-39-3) Can b Good general ventilation (typically 10 be matched to conditions. If applicab engineering controls to maintain airb limits have not been established, mai	be absorbed through the skin. <b>borne Contaminants</b> be absorbed through the skin. air changes per hour) should be used. Ventilation rates should le, use process enclosures, local exhaust ventilation, or other prime levels below recommended exposure limits. If exposure intain airborne levels to an acceptable level. Eye wash facilities lable when handling this product. An eye wash and safety
posure guidelines US ACGIH Threshold Limit HYDROGEN FLUORIDE (( US. California Code of Reg HYDROGEN FLUORIDE, A propriate engineering ntrols	<b>Values: Skin designation</b> (AS 7664-39-3) Can be (AS 7664-39-3) Can be (AS F (CAS 7664-39-3) Can be Good general ventilation (typically 10) be matched to conditions. If applicabe engineering controls to maintain airbolimits have not been established, main and emergency shower must be avain shower must be available in the immeters, such as personal protective equiparts and the statemeters of	be absorbed through the skin. <b>borne Contaminants</b> be absorbed through the skin. air changes per hour) should be used. Ventilation rates shou le, use process enclosures, local exhaust ventilation, or other orne levels below recommended exposure limits. If exposure ntain airborne levels to an acceptable level. Eye wash facilitie lable when handling this product. An eye wash and safety ediate work area. <b>ipment</b>
posure guidelines US ACGIH Threshold Limit HYDROGEN FLUORIDE (( US. California Code of Reg HYDROGEN FLUORIDE, A propriate engineering ntrols	<b>Values: Skin designation</b> (AS 7664-39-3) Can be (AS 7664-39-3) Can be (AS F (CAS 7664-39-3) Can be (CAS 7664-39-3	be absorbed through the skin. <b>borne Contaminants</b> be absorbed through the skin. air changes per hour) should be used. Ventilation rates shou le, use process enclosures, local exhaust ventilation, or other orne levels below recommended exposure limits. If exposure intain airborne levels to an acceptable level. Eye wash facilities lable when handling this product. An eye wash and safety ediate work area. <b>ipment</b>
posure guidelines US ACGIH Threshold Limit HYDROGEN FLUORIDE (( US. California Code of Reg HYDROGEN FLUORIDE, A propriate engineering ntrols	<b>Values: Skin designation</b> (AS 7664-39-3) Can be (AS 7664-39-3) Can be (AS F (CAS 7664-39-3) Can be Good general ventilation (typically 10) be matched to conditions. If applicabe engineering controls to maintain airbolimits have not been established, main and emergency shower must be avain shower must be available in the immeters, such as personal protective equiparts and the statemeters of	be absorbed through the skin. <b>borne Contaminants</b> be absorbed through the skin. air changes per hour) should be used. Ventilation rates shou le, use process enclosures, local exhaust ventilation, or other orne levels below recommended exposure limits. If exposure intain airborne levels to an acceptable level. Eye wash facilities lable when handling this product. An eye wash and safety ediate work area. <b>ipment</b>
posure guidelines US ACGIH Threshold Limit HYDROGEN FLUORIDE (G US. California Code of Reg HYDROGEN FLUORIDE, A propriate engineering ntrols	<b>Values: Skin designation</b> (AS 7664-39-3) Can be <b>pulations, Title 8, Section 5155. Airl</b> (AS F (CAS 7664-39-3) Can be Good general ventilation (typically 10 be matched to conditions. If applicabe engineering controls to maintain airbolimits have not been established, main and emergency shower must be avain shower must be available in the immentary (Section 2015) State (Section 2015)	be absorbed through the skin. <b>borne Contaminants</b> be absorbed through the skin. air changes per hour) should be used. Ventilation rates should le, use process enclosures, local exhaust ventilation, or other prime levels below recommended exposure limits. If exposure intain airborne levels to an acceptable level. Eye wash facilities lable when handling this product. An eye wash and safety ediate work area. <b>ipment</b>

Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

# 9. Physical and chemical properties

<b>9.</b> Physical and chemical	properties
Appearance	Clear.
Physical state	Liquid.
Form	Liquid.
Color	Colorless.
Odor	Pungent.
Odor threshold	Not available.
рН	< 1
Melting point/freezing point	-29.2 °F (-34 °C)
Initial boiling point and boiling range	224.6 °F (107 °C)
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or ex	cplosive limits
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	10 torr at 20 °C
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Miscible.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	1.16 g/cm3
Explosive properties	Not explosive.
Molecular formula	HF
Molecular weight	20.01 g/mol
Oxidizing properties	Not oxidizing.
Percent volatile	100 %
Specific gravity	1.16

# 10. Stability and reactivity

Reactivity	Reacts violently with strong alkaline substances. This product may react with reducing agents.
Chemical stability	Stable at normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Contact with incompatible materials. Do not mix with other chemicals.
Incompatible materials	Bases. Reducing agents.

# 11. Toxicological information

### Information on likely routes of exposure

Inhalation	Toxic if inhaled. May cause damage to organs through prolonged or repeated exposure by inhalation.
Skin contact	Fatal in contact with skin. Causes severe skin burns.
Eye contact	Causes serious eye damage.
Ingestion	Fatal if swallowed. Causes digestive tract burns.
Symptoms related to the physical, chemical and toxicological characteristics	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

### Information on toxicological effects

Acute toxicity Fatal in contact with skin. Fatal if swallowed. Toxic if inhaled.		
Product	Species	Test Results
YDROFLUORIC ACID, VERIT	AS® DOUBLE DISTILLED	
<u>Acute</u>		
Inhalation		
LC50	Guinea pig	9015 ppm, 15 Minutes estimated
		7.4 mg/l, 15 Minutes estimated
		7.375 mg/l
	Monkey	3708 mg/l
		3708 mg/l, 1 Hours estimated
		3708 ppm, 1 Hours estimated
	Mouse	1042 mg/l
		1042 ppm, 1 Hours estimated
		1042 mg/l, 1 Hours estimated
	Rat	10354 ppm, 5 Minutes estimated
		5602 ppm, 15 Minutes estimated
		4254 ppm, 30 Minutes estimated
		2663 mg/l, 1 Hours estimated
		2013 ppm, 1 Hours estimated
		1006 ppm, 4 Hours estimated
components	Species	Test Results
YDROGEN FLUORIDE (CAS	7664-39-3)	
<u>Acute</u>		
Inhalation	Cuince nic	4227 nom 1E Minutes
LC50	Guinea pig	4327 ppm, 15 Minutes
		3.54 mg/l, 15 Minutes
	Monkey	1780 ppm, 1 Hours
		1780 mg/l, 1 Hours
	Mouse	500 ppm, 1 Hours
		500 mg/l, 1 Hours
	Rat	4970 ppm, 5 Minutes
	Rat	4970 ppm, 5 Minutes 2689 ppm, 15 Minutes
	Rat	4970 ppm, 5 Minutes 2689 ppm, 15 Minutes 2042 ppm, 30 Minutes
	Rat	4970 ppm, 5 Minutes 2689 ppm, 15 Minutes
	Rat	4970 ppm, 5 Minutes 2689 ppm, 15 Minutes 2042 ppm, 30 Minutes

\* Estimates for product may be based on additional component data not shown.

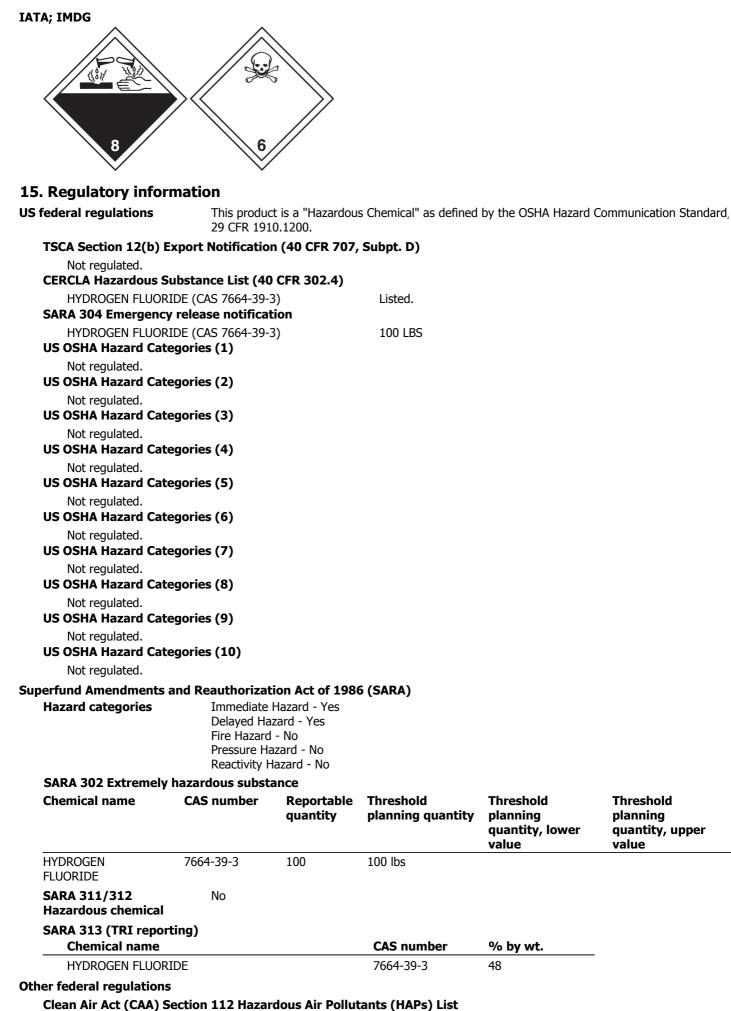
Skin corrosion/irritation	Causes severe skin burns and eye damage.
Serious eye damage/eye irritation	Causes serious eye damage.
Respiratory or skin sensitization	)n
Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
IARC Monographs. Overall	Evaluation of Carcinogenicity
Not listed. US OSHA Hazard Categorie	es (1)
Not regulated. US OSHA Hazard Categorie	es (10)
Not regulated. US OSHA Hazard Categorie	es (2)
Not regulated. US OSHA Hazard Categorie Not regulated.	es (3)
US OSHA Hazard Categorie Not regulated.	ıs (4)
US OSHA Hazard Categorie Not regulated.	ıs (5)
US OSHA Hazard Categorie Not regulated. US OSHA Hazard Categorie	
Not regulated. US OSHA Hazard Categorie	
Not regulated. US OSHA Hazard Categorie	
Not regulated. <b>US. National Toxicology Pr</b> Not listed.	ogram (NTP) Report on Carcinogens
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	Not an aspiration hazard.
Chronic effects	Causes damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful.
12. Ecological informatio	n
Ecotoxicity	Because of the low pH of this product, it would be expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.
Persistence and degradability	None known.
<b>Bioaccumulative potential</b>	No data available.
Mobility in soil	No data available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.
13. Disposal consideration	ins
Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Dispose of contents/container in accordance with local/regional/national/international regulations. Neutralize with soda ash/slaked lime and discharge to sewer with lots of water.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

# 14. Transport information

	•
DOT	
UN number	UN1790
UN proper shipping name	Hydrofluoric acid, with not more than 60 percent strength
Transport hazard class(es)	
Class	8
Subsidiary risk	6.1(PGI, II)
Label(s)	8, 6.1
Packing group	II
Special precautions for	Read safety instructions, SDS and emergency procedures before handling.
user	, , , , , , , , , , , , , , , , , , , ,
Special provisions	A6, A7, B15, IB2, N5, N34, T8, TP2, TP12
Packaging exceptions	154
Packaging non bulk	202
Packaging bulk	243
ΙΑΤΑ	
UN number	UN1790
UN proper shipping name	Hydrofluoric acid 60% or less strength
Transport hazard class(es)	, 5
Class	8
Subsidiary risk	6.1(PGI, II)
Packing group	II
Environmental hazards	No.
ERG Code	8P
Special precautions for	Read safety instructions, SDS and emergency procedures before handling.
user	
Other information	
Passenger and cargo	Allowed with restrictions.
aircraft	
Cargo aircraft only	Allowed with restrictions.
IMDG	
UN number	UN1790
UN proper shipping name	HYDROFLUORIC ACID solution, with not more than 60% hydrogen flouride
Transport hazard class(es)	
Class	8
Subsidiary risk	6.1(PGI, II)
Packing group	II
Environmental hazards	
Marine pollutant	No.
EmS	F-A, S-B
Special precautions for	Read safety instructions, SDS and emergency procedures before handling.
user	
Transport in bulk according to	Not established.
Annex II of MARPOL 73/78	
and the IBC Code	
DOT	
•	<b>^</b>





HYDROGEN FLUORIDE (CAS 7664-39-3)

### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

HYDROGEN FLUORIDE (CAS 7664-39-3)

Safe Drinking Water Act Not regulated. (SDWA)

### **US state regulations**

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100) Not listed.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

HYDROGEN FLUORIDE (CAS 7664-39-3)

US. Massachusetts RTK - Substance List

HYDROGEN FLUORIDE (CAS 7664-39-3)

US. New Jersey Worker and Community Right-to-Know Act HYDROGEN FLUORIDE (CAS 7664-39-3)

US. Pennsylvania Worker and Community Right-to-Know Law

HYDROGEN FLUORIDE (CAS 7664-39-3)

US. Rhode Island RTK

HYDROGEN FLUORIDE (CAS 7664-39-3)

### **US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

#### **International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

### 16. Other information, including date of preparation or last revision

Issue date Revision date Version #	April-17-2014 April-17-2014 02
Disclaimer	The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. GFS Chemicals, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.
Revision information	This document has undergone significant changes and should be reviewed in its entirety.