

**MSDS  
MATERIAL SAFETY DATA  
SHEET**

**BRADY INDUSTRIES, INC.**

7055 LINDELL RD. LAS VEGAS, NV 89118  
24-HOUR EMERGENCY TRANSPORTATION RESPONSE  
NUMBER 209-581-9576

JAS945

**SECTION IV-HEALTH HAZARD DATA**

THRESHOLD LIMIT VALUE: (Refer to Section II)

EFFECTS OF OVEREXPOSURE: May cause skin or eye irritation. May cause respiratory distress if breathing concentrated vapors.

**EMERGENCY AND FIRST AID PROCEDURE:**

**SKIN:** Wash affected area thoroughly with soap and water. Remove any contaminated clothing and launder before reuse. **EYES:** Flush eyes with copious amounts of water, making sure eye lids are kept open. Seek medical attention if irritation persists. **INGESTION:** Have victim drink several glasses of water or milk. Do not force an unconscious person to drink anything by mouth. **DO NOT INDUCE VOMITING.** Contact a physician or poison control center. **INHALATION:** Remove to fresh air and provide oxygen if severe distress continues. Seek medical attention. Pulmonary edema may develop in very acute cases. **TARGET ORGANS:** Skin, eyes, mucous membranes.

**SECTION V-REACTIVITY DATA**

CONDITIONS CONTRIBUTING TO INSTABILITY: Acids, heat, sunlight, or contact with iron or copper.

INCOMPATIBILITY: Avoid acids or strong oxidizers when using or storing this product.  
HAZARDOUS DECOMPOSITION: Oxides of fluorine and sodium.

**SECTION VI-SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Dike small spills with sand or a non-reactive absorbent. Collect in plastic containers only. Larger spills should be diked with sand ahead of spill. Collect in plastic containers only.

WASTE DISPOSAL METHOD: Dispose with in accordance with all federal, state, and local regulations. Do not release the concentrated or diluted product directly into storm drains, or undedicated surface or groundwater supplies.

**SECTION VII-PROTECTIVE EQUIPMENT**

VENTILATION: Forced air, local exhaust, or open air is adequate.

PERSONAL PROTECTIVE EQUIPMENT: As with all chemicals, wear at least chemical resistant gloves and eye protection when handling, moving or using this product. In case of confined spaces or high levels encountered in the air, wear self-contained breathing apparatus.

WORK/HYGENIC PRACTICES: No unusual precautions are necessary.

**SECTION VIII-REGULATORY INFORMATION**

See Section I.

**SECTION IX-STORAGE AND HANDLING**

Do not contaminate water, food, or feed by storage or disposal. Keep product in tightly closed container when not in use. Do not drop, roll, or skid drum. Store in a cool, dry, well ventilated area away from heat or open flame. Triple rinse container. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**SECTION X-GENERAL PRECAUTIONS**

DO NOT REUSE CONTAINER. Wash thoroughly after handling. For industrial or commercial use only. Keep away from children and animals.

NFPA 704 DESIGNATION

HEALTH	2
FIRE	0
REACTIVITY	1
SPECIAL	COR

PRODUCT NAME: BRADY H.D. SOUR  
LABEL COLOR: 1940.185  
CHEMICAL FAMILY: Laundry Fabric Acid

**SECTION I-HAZARDOUS INGREDIENTS OF MIXTURES**

CAS #	16961-83-4
CHEMICAL NAME	Hydrofluorosilicic Acid
% By Wt	50-60
OSHA/PEL	
ACGIH/TLV	1 mg/m <sup>3</sup>
OTHER	1 mg/m <sup>3</sup> (STEL)

**SECTION II-PHYSICAL DATA**

Boiling Point:	218° F	Vapor Pressure:	N/A
Vapor Density (Air=1):	N/A	Solubility in Water (% by Wt.):	Complete
% Volatiles by Volume:	<50%	Evaporation Rate:	N/A
Specific Gravity:	N/A	pH of Concentrate:	<1.5

Appearance and Odor: Water clear, with slight odor.

**SECTION III-FIRE AND EXPLOSION DATA**

Flash Point: None  
Hazardous Polymerization:  Will Occur  Will Not Occur  
Flammable Limits: N/A  
Lower Explosive Limits: N/A  
Upper Explosive Limits: N/A  
Extinguishing Media: Water spray, carbon dioxide, foam or dry chemical.  
Special Firefighting Procedures: Use self-contained breathing apparatus. When heated to decomposition it will give off hazardous gases based on oxides of fluorine and sulfur.  
Unusual Fire and Explosion Hazards: May combine with various metals (at decomposition) to form further flammable mixtures. This material is an oxidizer.  
Conditions to Avoid: Being a slightly acid product, do not store with or near chlorinated products.

Revised: 3/20/08