



MATERIAL SAFETY DATA SHEET

I. PRODUCT AND COMPANY INFORMATION

TRADE NAME: Integrity
CHEMICAL FAMILY: Liquid Sour

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Version: 2

HCS (Division of Washing Systems, LLC)
5579 Spellmire Dr.
Cincinnati, OH 45246
513-870-4830
EMERGENCY CONTACT: CHEMTREC (800-424-9300)

II. HAZARDOUS INGREDIENTS

The materials listed in this data sheet are classified as **HAZARDOUS** in accordance with the definition set forth by the Occupational Safety and Health Administration in 29 CFR 1910.1200.

<u>CHEMICAL NAME</u>	<u>COMMON NAME</u>	<u>CAS Number</u>	<u>Weight %</u>	<u>EXPOSURE LIMIT</u>
Fluorosilicic Acid	Hydrofluorosilicic Acid	16961-83-4	10-20	2.5 mg/m ³ TLV (as F)

III. PHYSICAL/CHEMICAL CHARACTERISTICS

<u>APPEARANCE & ODOR</u>	<u>VAPOR DENSITY (AIR=1)</u>	<u>BOILING POINT</u>	<u>SOLUBILITY IN WATER</u>
Clear, Colorless, Odorless Liquid	UNK	> 212°F	Soluble (> 1%)
<u>SPECIFIC GRAVITY</u>	<u>EVAPORATION RATE (N-Butyl Acetate=1)</u>	<u>VAPOR PRESSURE (mmHg)</u>	<u>MELTING POINT</u>
1.10	< 1	UNK	N/A

IV. FIRE AND EXPLOSION DATA

<u>FLASHPOINT</u>	<u>FLAMMABLE LIMITS</u>	<u>AUTO IGNITION TEMP</u>
N/A	(lower limit) (upper limit) N/A N/A	N/A

EXTINGUISHING AGENTS: Product is not combustible.

SPECIAL FIRE FIGHTING PROCEDURES: Container may explode from heat of fire. If possible, move container out of fire zone. If removal is impossible, cool containers with water until fire is out. Apply water from up-wind and from as far away as possible.

UNUSUAL FIRE AND EXPLOSION HAZARDS: For fires in areas where this material is stored, do not enter any enclosed or confined space without proper protective equipment, including self-contained breathing apparatus.

V. REACTIVITY DATA

<u>STABILITY</u>	<u>HAZARDOUS DECOMPOSITION PRODUCTS</u>	<u>MATERIALS TO AVOID</u>	<u>HAZARDOUS POLYMERIZATION</u>
Stable	Hydrogen Fluoride and Silicon Tetrafluoride	Chlorites, Combustible Solids, Organic Peroxides, Certain Metals, Strong Alkalies	Will not occur.

VI. HEALTH HAZARD DATA

SKIN: ACUTE Contact produces severe burns and destroys tissue.
CHRONIC None Known.

EYES: ACUTE Causes severe burns that result in damage to the eyes and possibly blindness.
CHRONIC None Known

INHALATION: ACUTE Inhalation of fumes may result in irritation of the nose, throat, and respiratory tract.
CHRONIC None Known

INGESTION: ACUTE May cause burns to the mouth, throat, and digestive tract.
CHRONIC Can cause death.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

None are known.

CARCINOGENICITY

OSHA: NO

IARC MONOGRAPHS: NO

NTP: NO

EMERGENCY AND FIRST AID PROCEDURES

SKIN: Immediately flush with plenty of cool water for at least 15 minutes, while removing contaminated clothing and shoes. Call a physician immediately.

EYES: Immediately flush with plenty of cool water under low pressure. Flush continuously for at least 15 minutes. Hold eyelids open and move eye while flushing. Seek medical attention immediately.

INHALATION: Remove to fresh air. Give artificial respiration if breathing stops. Seek medical attention immediately.

INGESTION: Never give anything by mouth to an unconscious person. **DO NOT INDUCE VOMITING.** If conscious give large quantities of water. If vomiting occurs spontaneously, keep airway clear. If available, give lime water or 1% calcium chloride solution. Call a physician immediately.

VII. SPILL OR LEAK PROCEDURES

Earthen dikes may be constructed to contain the spill. Use water spray to control fuming. Cover contaminated area with sodium bicarbonate or a mixture of equal parts soda ash and slaked lime. Dispose of in a manner approved by local, state, and federal regulations. Contains no phosphates.

SPECIAL PRECAUTIONS

Store in a cool, well-ventilated area away from alkalis and chlorine containing compounds.

VIII. CONTROL MEASURES

<u>RESPIRATORY PROTECTION</u>	<u>EYE PROTECTION</u>	<u>PROTECTIVE GLOVES</u>	<u>OTHER PROTECTIVE EQUIPMENT</u>
Respirator with filter cartridge for acid gases	Safety Goggles plus Full Face Shield	Rubber	Impervious protective clothing and chemically resistant safety shoes
<u>VENTILATION:</u>	<u>Mechanical</u>	<u>Local</u>	<u>Special</u>
	Normal Air Dilution	None	None

Shipping Information - Corrosive Liquid, Acidic, Inorganic, N.O.S. (Fluorosilicic Acid), 8, UN 3264, PG II

N/A = Not Applicable
 UNK = Unknown at This Time
 TLV = Threshold Limit Value

INTEGRITY