



Material Safety Data Sheet

NDT SOUR

Gurtler Industries, Inc.
15475 South LaSalle Street
South Holland, IL 60473
(708) 331-2550
(800) 638-7300

In Case Of Emergency (24 hours)
INFOTRAC (800) 535-5053

For Information
(708) 331-2550

SECTION 1 - IDENTIFICATION

COMPANY NAME: Gurtler Industries, Inc.
15475 South LaSalle Street
South Holland, IL 60473
PHONE NUMBER: 708-331-2550
EMERGENCY NUMBER: INFOTRAC (800) 535-5053 - 24 Hours Everyday
EFFECTIVE DATE: 2/28/06
PREPARED BY: Jessica Milchak
TRADE NAME: NDT Sour
GENERAL USE: Laundry Sour

SECTION 2 - INGREDIENT INFORMATION

OSHA HAZARDOUS COMPONENTS (29CFR1910.1200)	CAS REGISTRY NO.	PEL (OSHA)	TLV (ACGIH) (Units)	HAZARDOUS %
Hydrofluosilicic Acid	16961-83-4	2.5 mg/m ³ (as F)	2.5 mg/m ³ (as F)	

This product is not subject to the toxic chemical reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

SECTION 3 - HEALTH HAZARD DATA

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (H.M.I.S.) HAZARD RATINGS

Hazard Rating Scale	0-None	1-Slight	2-Moderate
	3-Serious	4-Severe	
HMIS Health (Acute)	3	HMIS Flammability	1
HMIS Physical Hazard	1		

EMERGENCY OVERVIEW

Appearance and Odor A clear pink liquid with a characteristic odor.
Symptoms of Overexposure Inhalation of vapors are irritative to nose, throat and respiratory tract. Symptoms of overexposure may include ulceration of the nose and throat, coughing, salivation, headache, nausea, shock and pulmonary edema.

EFFECTS OF ACUTE OVEREXPOSURE

Routes of Entry (X) Inhalation
(X) Skin
(X) Ingestion

Acute Inhalation of vapors is irritating to nose, throat and respiratory tract. Over exposure may lead to coma and death. Eye contact can cause ulceration and severe eye damage. Liquid is corrosive to skin tissue causing burning sensation and blistering. Ingestion causes tissue destruction, possibly leading to shock, convulsion and death.

Chronic Chronic overexposure may lead to the development of fluorosis.

Medical Conditions Generally Aggravated by Exposure Unknown



SECTION 4 - FIRST AID MEASURES

IN CASE OF EYE CONTACT: Flush with copious amounts of water for 15 minutes. Seek medical attention.
IN CASE OF SKIN CONTACT: Remove contaminated clothing, flush affected are with running water.
IF INHALED: Remove to fresh air.
IF INGESTED: Dilute with large quantities of water or milk. DO NOT induce vomiting. Seek prompt medical assistance for further treatment, observation and support.

SECTION 5 - FIREFIGHTING MEASURES

Flash Point Non flammable
Flammable Limits None
Lower Flame Limit N/A
Higher Flame Limit N/A
Extinguish Media Select extinguishing media suitable for surrounding fire.
Special Procedures Fire fighters should wear MSHA/NIOSH approved positive pressure, self-contained breathing apparatus and full protective clothing.
Unusual Fire Hazards..... Material is non-flammable and non-explosive. When involved with a fire situation, toxic and corrosive fumes of hydrogen fluoride can be generated.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

For Spill Keep material out of water sources and sewers. Provide adequate ventilation and remove sources of ignition because hydrogen gas may be generated on contact with certain metals. Clean-up personnel must use protective equipment. Build dikes to contain material as necessary. Neutralize with hydrated lime.
Waste Disposal Method Bury neutralized waste (CaF₂ precipitant) in an approved secure landfill. Follow federal, state and local regulations.

SECTION 7 - HANDLING AND STORAGE

Handling & Storage Store in closed containers in a cool, dry, well ventilated area away form incompatible materials. DO NOT inhale vapors. Prevent skin contact.
Other Precautions Use full protective clothing for acids.

SECTION 8 - PERSONAL PROTECTION

Respiratory Protection Wear NSHA/NIOSH approved air purifying canister respirator with full face piece as appropriate for protection.
Ventilation Mechanical: Sufficient to maintain vapors below 2.5 mg/m³.
Protective Gloves Neoprene or rubber to avoid skin contact.
Eye Protection Chemical safety goggles and full face shield to protect against splashing.
Other Protective Equipment Eyewash facility and emergency shower in close proximity to use areas.
Work/Hygienic Practices Avoid direct contact with this and all chemicals when possible.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point 105°C (221°F) Freezing Point (F)..... N/A
Volatility/Vol (%) N/A Melting Point..... N/A
Evaporation Rate..... N/A Vapor Density (Air=1) N/A
Solubility in H₂O Complete Specific Gravity (H₂O=1) 1.070



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SECTION 10 - STABILITY AND PHYSICAL HAZARD

Chemical Stability..... Stable
Conditions to Avoid Avoid temperatures above 194°F (90°C). Always add acid to water, never water to acid. Heat is generated upon dilution.
Incompatible Materials May react with certain metals to produce hydrogen gas. Strong alkalis, chlorites, combustible solids, and organic peroxides are incompatible. Attacks glass and stoneware.
Decomposition Products Thermal – oxidative degradation may produce toxic and corrosive fumes of fluorides.
Hazardous Polymerization..... Will not occur

SECTION 11 - OTHER INFORMATION

For help in a chemical transportation emergency, call INFOTRAC: 1-800-535-5053

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