

HAZARD RATING 4=EXTREME 3=HIGH 2=MODERATE 1=SLIGHT 0=INSIGNIFICANT	FIRE		REACTIVITY	
	0	0	0	0
	HEALTH		SPECIAL	
	2	0	0	0

RUST MASTER LIQUID

MasterBlend, Inc.

5285 Fox Street • Denver, CO 80216

Date Prepared: 06-01-04

Product Information Number: (800) 525-9644 / (303) 373-0702
 Emergency Number/Chem-Tel: (800) 255-3924 / (813) 248-0582

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

Hazardous Components > 1%, Carcinogens > 0.1%

Ammonium Bifluoride

CAS No.
1341-49-7

OSHA PEL
2.5 mg/m³

ACGIH TLV
2.5 mg/m³

SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: 446 °F

pH (10% Solution): 3.5

Appearance and Odor: Clear Liquid with pungent odor.

Specific Gravity (H₂O=1): 1.06

% Volatile Organic Compounds: N/D

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

Flash Point: None

Method Used: TCC

Auto Ignition: N/A

Extinguishing Media: Water spray, Carbon Dioxide, Foam, or Dry Chemical

Special Fire Fighting Procedures: Use self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Thermal decomposition or exposure to acids may release toxic hydrogen fluoride gas.

SECTION 4 - REACTIVITY HAZARD DATA

Stability: Stable

Polymerization: Will not occur

Incompatibility: Acids, alkalis, metals

Hazardous Decomposition: Releases ammonia in the presence of strong alkalis. Forms hydrogen fluoride with concentrated acids.

Conditions to Avoid: Strong acids and heat in excess of 100°C may form toxic irritating hydrogen fluoride gas. Do not use glass containers.

SECTION 5 - HEALTH HAZARD DATA

Primary Routes of Exposure: Eye Ingestion Inhalation Skin

Carcinogen: No

Acute Health Hazards: Causes severe skin irritation and burns. Harmful if swallowed or inhaled. Effects may not be immediately apparent.

Chronic Health Hazards: Overexposure may cause damage to bones, body tissues, kidneys, and liver.

EMERGENCY FIRST AID PROCEDURES

Eye Contact: Immediately flush with large amounts of water for at least 15 minutes. Seek medical attention.

Ingestion: Do not induce vomiting. Slowly dilute with 1 - 2 glasses of water. Seek medical attention.

Inhalation: Remove to fresh air. Seek medical attention if irritation persists.

Skin Contact: Remove contaminated clothing and launder. Wash skin with soap and water. Seek medical attention if irritation persists.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Ventilation: Mechanical (General)

Respiratory Protection: NIOSH-approved chemical cartridge respirator when ventilation is not adequate.

Eye Protection: Chemical Safety Goggles

Protective Gloves: Rubber, nitrile, or vinyl gloves

Hygienic Work Practices: Wash hands thoroughly after handling and before eating, drinking, or smoking.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES

Handling Spills or Leaks: Ordinary housekeeping is adequate.

Waste Disposal Methods: According to federal, state, and local regulations.

Handling and Storage Precautions: Keep out of reach of children. Store in a cool and dry place.

SECTION 8 - TRANSPORTATION DATA

D.O.T. Shipping Name: Ammonium Hydrogendifluoride, Solution

Hazard Class: 8

ID Number: UN2817

Packaging Group: III

Label: Corrosive

Note: If packaged in quart bottles, this product may be reclassified as a Consumer Commodity when shipped domestically by land.

VA=Not Applicable

N/D=Not Determined

NE=Not Established

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