

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-121/12125-01-8.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
12125-01-8  
**Code:**  
M

**RTECS:**  
BQ6300000  
**Code:**  
M

**Name:**  
AMMONIUM FLUORIDE (SARA III)

**Other REC Limits:**  
N/P

**OSHA PEL:**  
2.5 MG F/M3  
**Code:**  
M

**OSHA STEL:**

**Code:**  
2

**ACGIH TLV:**  
2.5 MG F/M3; 9192  
**Code:**  
M

**ACGIHSTEL:**  
N/P  
**Code:**

## Control Measures

**Respiratory Protection:**  
>20PPM,USE FULL FACE RESPIRATOR W AIR-SUPPLY OR SCBA W/FULL FACEPIEC

**Ventilation:**  
MECH(GEN)OR LOCAL EXHAUST THAT PROVIDES ADEQUATE VENTILATION

**Protective Gloves:**  
NEOPRENE

**Eye Protection:**  
SAFETY/CHEM GOGGLES

**Other Protective Equipment:**  
Equipment EYEWASH QUICK-DRENCH SHOWERS.NEURLZING EQUIP SUPPLIES.

**Work Hygienic Practices:**  
N/P

**Supplemental Safety and Health:**  
MSDS FM MFR DATED:AUGUST 1978.

## Health Hazards Data

**LD50LC50Mixture:**  
N/P

**Route Of Entry Inds - Inhalation:**  
N/P

**Skin:**  
N/P

**Ingestion:**  
N/P

**Carcinogenicity Inds - NTP:**  
N/P

**IARC:**  
N/P

**OSHA:**  
N/P

**Health Hazards Acute And Chronic:**  
N/P

**Explanation Of Carcinogenicity:**  
N/P

**Signs And Symptions Of Overexposure:**  
SKIN:SEVERE BURNS;EYES:SEVRE BURNS,MAY CAUSE BLINDNESS;INH:VAP IRRITG RESP TRACT;ING:CORR TO MOUTH. 3

**Medical Cond Aggravated By Exposure:**  
N/P

**First Aid:**  
SKIN:FLUSH W/LG AMT COLD H\*20.REMOVE CONTMNTD CLOTHING/SHOES;EYES:FLUSH W/H\*20 FOR 15 MIN;INH:REMOVE TO FRESH AIR.GIVECPR/OXYGEN IF NEEDED;ING:DO NOT INDUCE VOMITING.GIVE MILK OR MILK OF MAGNESIA;IN A NY OF THE ABOVE CASE,IMMEDIATEL SUMMON A PHYSICIAN

**Spill Release Procedures:**  
ELIMINATE IGNITION SOURCES. S LEAK W/O RISK. EVACUATE AREA. SM SPILL:ABSORB WITH INERT ABSORBENT,FLUSH AREA WITH WATER. LG SPILL:NEUTRALIZE WITH SODA ASH. FLUSH NEUTRALIZED SOLUTION TO SEWER IN ACC ORDANCE WITH INTERNATIONAL FED,STA, & LOCAL REGS.

**Neutralizing Agent:**  
N/P

**Waste Disposal Methods:**  
SPILLAGE SHOULD BE CONTAINED & NEUTRALIZED COAREFULLY W/LIME OR SODA ASH.THE RESIDUAL SHOULD BE KEPT IN DRUMS & SENT TO DISPOSAL AREA.THE NEUTRALIZD MATL SHOULD BE SENT TO PLANT TREATMENT AREA;OBSERVE ALL FED,STATE & LOCAL STATUTES OF DISPOSAL.

**Handling And Storage Precautions:**  
STORE ONLY IN APPROVED CONTNRS AVOIDING GLASS & SOME METALS.STORE BELOW 125F,PREFERABLY BELOW 100F IN WELL-VENTILATED,PROPERLY DRAINED SITE.

**Other Precautions:**  
DO NOT ALLOW SMOKING NEAR FULL/EMPTY CONTRS OF THSI MATL.DO NOT BREATHE VAP/MIST.USE W/ADEQUATE VENTILATION.WASH THOROUGHLY AFTER HNDLING.KEEP CONTNRS TIGHTLY CLOSED.READ LABEL BEFORE USE MATL.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
N/A

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
N/A

**Upper Limits:**  
N/A 4

**Extinguishing Media:**  
WATER SPRAY RECOMMDED AS GIVEING MINIMUM SPLASHING HAZARD.

**Fire Fighting Procedures:**  
WEAR CHEMICAL PROTECTIVE SUIT WITH SELF CONTD BRTHG APP.

**Unusual Fire/Explosion Hazard:**  
MAY GENERATE HYDROGEN IN CONTACT W/SOME METALS.THIS IS FIRE,EXPLOSIVE, & REACTIVE HAZARD.

## Physical/Chemical Properties

**HCC:**  
C1

**NRC/State LIC No:**  
5

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
>230C

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
N/A

**Decomp Temp:**

**Decomp Text:**  
N/A

**Vapor Pres:**  
0.4

**Vapor Density:**  
0.7

**Volatile Org Content %:**

**Spec Gravity:**  
1.15

**VOC Pounds/Gallon:**

**PH:** N/P

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
UNKNOWN

**Solubility in Water:**  
COMPLETE

**Appearance and Odor:**  
COLORLESS LIQUID,SHARP PENETRATING ODOR.

**Percent Volatiles by Volume:**  
UNK

**Corrosion Rate:**  
N/P

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
METAL CONTACT

**Materials To Avoid:**  
FLAMMABLE/OXIDIZER MATL;SOME METALS,GLASS.

**Hazardous Decomposition Products:**  
AMMONIA,FLUORINE,HYDROGEN FLOURIDE GAS HYDROGEN

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
UNKNOWN

## Toxicological Information

**Information:**N/P

## MSDS Transport Information

**Information:**N/P

## Regulatory Information

**Sara Title III Information:** N/P

**Federal Regulatory Information:** N/P

**State Regulatory Information:** N/P

## Other Information

**Other Information:**N/P