

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-121/12135-76-1.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
12135-76-1  
**Code:**  
M

**RTECS:**  
BS4920000  
**Code:**  
M

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

**Other REC Limits:**  
N/K

**OSHA PEL:**  
NOT ESTABLISHED  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
NOT ESTABLISHED  
**Code:**  
M

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

## Control Measures

**Respiratory Protection:**  
N/K

**Ventilation:**  
ADEQUATE VENTILATION.

**Protective Gloves:**  
RUBBER

**Eye Protection:**  
SAFETY GLASSES, FACE SHIELD, 3

**Other Protective Equipment:**  
Equipment LAB COAT, RUBBER APRON, RUBBER PROTECTIVE CLOTHING.

**Work Hygienic Practices:**  
REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

**Supplemental Safety and Health:**  
N/K

## Health Hazards Data

**LD50LC50Mixture:**  
N/K

**Route Of Entry Inds - Inhalation:**  
YES

**Skin:**  
YES

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
EYES: CORROSIVE. SKIN: CORROSIVE. INGESTION: CORROSIVE. CAUSES SEVERE IRRITATION/BURNS OF MOUTH, ESOPHAGUS, STOMACH. INGALATION: IRRITATION.

**Explanation Of Carcinogenicity:**  
NONE

**Signs And Symptions Of Overexposure:**  
N/K

**Medical Cond Aggravated By Exposure:**  
EYE, SKIN, & RESPIRATORY CONDITIONS.

**First Aid:**  
EYES: IMMEDIATELY FLUSH W/WATER FOR 15 MINS. SKIN: WASH THOROUGHLY W/SOAP & WATER. INGESTION: GIVE LARGE AMOUNTS OF WATER. FOLLOW W/MILK OR EGG WHITES BEATEN IN WATER. DON'T INDUCE VOMITING. INHALATI ON: REMOVE TO FRESH AIR. OBTAIN MEDICALATTENTION IN ALL 2 CASES.

**Spill Release Procedures:**  
NEUTRALIZE W/DILUTE ACID. ABSORB W/VERMICULITE/OTHER INERT MATERIAL. CONTAINERIZE FOR LATER DISPOSAL.

**Neutralizing Agent:**  
DILUTE ACID

**Waste Disposal Methods:**  
DISPOSE OF IN ACCORDANCE W/LOCAL, STATE, & FEDERAL REGULATIONS.

**Handling And Storage Precautions:**  
COOL, DRY, WELL VENTILATED AREA. AVOID DIRECT SUNLIGHT.

**Other Precautions:**  
AVOID CONTACT W/EYES, SKIN & CLOTHING. AVOID BREATHING CHEMICAL

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
N/R

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
16.0%

**Upper Limits:**  
27.0%

**Extinguishing Media:**  
DRY CHEMICAL, CO2, WATER SPRAY, FOAM

**Fire Fighting Procedures:**  
WEAR SCBA (POSITIVE PRESSURE IF AVAILABLE) BREATHING APPARATUS & SPECIAL PROTECTIVE CLOTHING.

**Unusual Fire/Explosion Hazard:**  
N/K

## Physical/Chemical Properties

**HCC:**

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
120-140F

**Melt/Freeze Pt:**

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

**Decomp Temp:**

**Decomp Text:**  
N/K

**Vapor Pres:**  
143

**Vapor Density:**  
0.6

**Volatile Org Content %:**

**Spec Gravity:**  
0.97

**VOC Pounds/Gallon:**

**PH:** 10.6

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
N/K

**Solubility in Water:**  
COMPLETE

**Appearance and Odor:**  
COLORLESS YELLOW W/SULFIDIC/AMMONICAL ODOR.

**Percent Volatiles by Volume:**  
92

**Corrosion Rate:**  
N/K

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
EXTREME HEAT, TEMPERATURES. CONTACT W/ACIDS, STRONG OXIDIZERS, METALS.

**Materials To Avoid:**  
ACIDS, STRONG OXIDIZERS, METALS.

**Hazardous Decomposition Products:**  
MAY EMIT TOXIC FUMES OF SULFUR OXIDES, NITROGEN OXIDES, AMMONIA, HYDROGEN SULFIDE, HYDROGEN CHLORIDE.

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
N/K

## 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