MATERIAL SAFETY DATA SHEET For R&D use only. Not for drug, household or other uses.

Click http://www.lookchem.com/cas-556/556-61-6.html for suppliers of this product.

Composition/Information on Ingredient Cas: 556-61-6 Code:

Μ

RTECS: PA9625000

Code: Μ

Eye Protection:

Other Protective Equipment:

Supplemental Safety and Health:

Health Hazards Data

ORAL LD50 (RAT) IS 67 MG/KG

Carcinogenicity Inds - NTP:

Health Hazards Acute And Chronic:

Explanation Of Carcinogenicity:

SEVERE MUCOUS MEMBRANE IRRITATION.

Signs And Symptions Of Overexposure:

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.

SOLUTION. GET IMMEDIATE MEDICAL HELP.

Spill Release Procedures:

Waste Disposal Methods:

WATER, 10% AMMONIA SOLUTION

Handling And Storage Precautions:

Neutralizing Agent:

PRODUCTS.

N/P

N/A

HCC: F5

N/R

NRC/State LIC No:

Boiling Point:

Melt/Freeze Pt:

M.P/F.P Text: 94.0F,34.4C 3

Decomp Temp:

Decomp Text: UNKNOWN

Vapor Pres: 17.8 MM HG

Vapor Density: >1 (AIR=1)

Spec Gravity: 1.07 (WATER=1)

PH: N/R

Viscosity:

MODERATE

100

YES

NO

NONE

Information:N/P

Information:N/P

VOC Pounds/Gallon:

VOC Grams/Liter:

Evaporation Rate & Reference:

COLORLESS TO SLIGHTLY YELLOW LIQUID; PUNGENT ODOR (LIKE HORSERADISH)

HEAT/DIRECT SUNLIGHT. AVOID CONTACT OF WATER, ESPECIALLY ABOVE 140F.

CARBON OXYSULFIDE, HYDROGEN SULFIDE MAY BE FORMEDON CONTACT WITH HYDROLYZING AGENTS (SUCH AS WATER).

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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any

guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from

handling or from contact with the above product. See reverse side of invoice or packing slip for additional

WARRANTY

terms and conditions of sale.

>1 (N-BUTYL ACETATE=1)

Solubility in Water:

Corrosion Rate:

Stability Indicator:

Materials To Avoid:

UNKNOWN

Appearance and Odor:

Percent Volatiles by Volume:

Reactivity Data

Stability Condition To Avoid:

STRONG OXIDIZING AGENTS, IRON

Hazardous Decomposition Products:

Hazardous Polymerization Indicator:

Conditions To Avoid Polymerization:

Toxicological Information

Regulatory Information

Sara Title III Information: N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

Other Information

www.lookchem.com

Other Information:N/P

MSDS Transport Information

Volatile Org Content %:

B.P. Text: 245F,118C

Net Prop WT For Ammo:

Flash Point:

>70F,>21C

Lower Limits: UNKNOWN

Upper Limits: UNKNOWN

Extinguishing Media:

Fire Fighting Procedures:

Unusual Fire/Explosion Hazard:

Flash Point Text:

Autoignition Temp:

Autoignition Temp Text:

Other Precautions:

Flash Point Method:

BLURRED VISION. SKIN: BURNS, BLISTERS, PAIN, REDNESS, SWELLING.

AMOUNTS TO DRUM CONTAINING 10% AQUEOUS AMMONIA SOLUTION.

10% AMMONIA SOLUTION PRIOR TO DISPOSAL. FORMS N-METHYLTHIOUREA.

PROERLY BOND AND GROUND DURING TRANSFER OPERATIONS.

WATER FOG, FOAM, CARBON DIOXIDE, AND DRY CHEMICAL

WITH AIR; PREVENT BUILD-UP STATIC CHARGES, SPARKS

Physical/Chemical Properties

WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING.

Fire and Explosion Hazard Information

Route Of Entry Inds - Inhalation:

Work Hygienic Practices:

LD50LC50Mixture:

YES

Skin: YES

YES

NO

IARC: NO

OSHA: NO

First Aid:

Ingestion:

SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Name: METHYL ISOTHIOCYANATE (SARA III)

Other REC Limits: NONE RECOMMENDED **OSHA PEL:**

NOT ESTABLISHED Code: Μ **OSHA STEL:** Code:

ACGIH TLV: NOT ESTABLISHED Code: Μ

ACGIHSTEL: NΡ Code: **Control Measures**

Respiratory Protection: IF ENGINEERING CONTROLS OR WORK PRACTICES DO NOT KEPP EXPOSURE LEVELS BELOW REGULATORY LIMITS; USE NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE. USE IN ACCORDANCE WITH 29 CFR

1910.134.

Ventilation: USE ADEQUATE EXPLOSION-PROOF LOCAL EXHAUST/MECHANICAL VENTILATION TO MAINTAIN EXPOSURE LEVELS

BELOW REGULATORY LIMITS. **Protective Gloves:** RUBBER OR NEOPRENE

WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE

ACUTE: MAY BE FATAL IF SWALLOWED, INHALED, OR ABSORBED THROUGH THE SKIN. CONTACT MAY CAUSE EYE DAMAGE AND SEVERE SKIN IRRITATION OR BURNS. CHRONIC: PROLONGED OR REPEATED CONTACT MAY CAUSE SEVERE SKIN I RRITATION OR BURNS AND

INHALATION/INGESTION/SKIN ABSORPTION: RUNNING NOSE, DIZZINESS, CRAMPS, NAUSEA, VOMITING. EYES: BURNS, PAIN, TEARING,

INHALED: MOVE TO FRESH AIR. IF BREATHING SPED, GIVE ARTIFICIAL RESPIRATION. IF BREATHING DIFFICULT, GIVE OXYGEN. GET

VENTILATE AREA. WEAR PROPER PROTECTIVE CLOTHING, COVER WITH WATER, MATERIAL WILL SOLIDIFY, RECYCLE OR ADD SMALL

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. MANUFACTURER RECOMMENDS DESTRUCTION WITH

STORE IN A COOL, DRY WELL-VENTILATED AREA IN ORIGINAL CONTAINER. STORE/USE AWAY FROM FEED, FOOD, DRINK, OR TOBACCO

BURNING MATERIAL RELEASES TOXIC NITROUS OXIDE AND SULFUR DIOXIDE GASES. PRODUCT VAPOR FORMS EXPLOSIVE MIXTURES

MEDICAL HELP. SKIN/EYES: FLUSH WITH LOTS OF WATER, RINSE WITH 5% AQUEOUS SOLUTIO N SODIUM BICARBONATE SOLUTION. SEE DOCTOR IMMEDIATELY. INGESTED: IF CONSCIOUS, DRINK LARGE QUANTITY MILK, EGG WHITES, GELATIN, OR WATER/SODIUM SULFATE

NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Equipment IMPERVIOUS OVERALLS OR APRON. HMIS: EYE WASH STATION &SAFETY SHOWER