

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-110/110-66-7.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

110-66-7

**Code:**

M

**RTECS:**

SA3150000

**Code:**

M

**Name:**

AMYL MERCAPTAN (THIS ITEM HAS PROBABLY BEEN PUT IN

**Other REC Limits:**

NONE RECOMMENDED

**OSHA PEL:**

NOT ESTABLISHED

**Code:**

M

**OSHA STEL:****Code:****ACGIH TLV:**

NOT ESTABLISHED

**Code:**

M

**ACGIH STEL:**

N/P

**Code:**

## Control Measures

**Respiratory Protection:**

NOT NEEDED IN NORMAL SERVICE.

**Ventilation:**

USE GENERAL DILUTION VENTILATION.

**Protective Gloves:**

NOT NEEDED IN NORMAL SERVICE.

**Eye Protection:**

SAFETY GLASSES

**Other Protective Equipment:**

Equipment NONE SPECIFIED BY MANUFACTURER.

**Work Hygienic Practices:**

EXERCISE GOOD LABORATORY PRACTICES. WASH HANDS AFTER USE AND BEFORE EATING.

**Supplemental Safety and Health:**

MSDS STATES THAT THIS ITEM IS "STENCHED BUTANE", WHICH PROBABLY REFERS TO PENTALARM(1-PENTANETHIOL) HAVING BEEN ADDED IN TRACE AMOUNTS TO CREATE THE CHARACTERISTIC GAS ODOR. 3

## Health Hazards Data

**LD50/LC50/Mixture:**

TLV IS 800PPM

**Route Of Entry Inds - Inhalation:**

YES

**Skin:**

YES

**Ingestion:**

NO

**Carcinogenicity Inds - NTP:**

NO

**IARC:**

NO

**OSHA:**

NO

**Health Hazards Acute And Chronic:**

EYES: LIQUID MAY CAUSE BURNS. (FP-D) SKIN: LIQUID MAY CAUSE FROSTBITE. (FP-D) INGEST: UNLIKELY ROUTE OF EXPOSURE. THIS IS A GAS. INHAL: MAY CAUSE RESPIRATORY IRRITATION AND CNS EFFECTS.

**Explanation Of Carcinogenicity:**

THERE ARE NO INGREDIENTS ABOVE 0.1% WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP, IARC OR OSHA.

**Signs And Symptoms Of Overexposure:**

INHAL: DIZZINESS, HEADACHES, ANESTHETIC IN HIGH CONCENTRATIONS.

**Medical Cond Aggravated By Exposure:**

NONE SPECIFIED BY MANUFACTURER.

**First Aid:**

SKIN: NONE SPECIFIED. EYES: NONE SPECIFIED. INHAL: REMOVE TO FRESH AIR. GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED. GET IMMEDIATE MEDICAL ATTENTION. INGEST: UNLIKELY ROUTE OF EXPOSURE.

**Spill Release Procedures:**

ELIMINATE SOURCES OF IGNITION. EVACUATE PERSONNEL. VENTILATE AREA. S FLOW AT THE SOURCE.

**Neutralizing Agent:**

NOT APPLICABLE.

**Waste Disposal Methods:**

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

**Handling And Storage Precautions:**

2 STORE BELOW 120F IN A WELL-VENTILATED PLACE. KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP AWAY FROM HEAT, SPARKS, FLAMES AND INCOMPATIBLE MATERIALS.

**Other Precautions:**

MAINTAIN GOOD VENTILATION.

## Fire and Explosion Hazard Information

**Flash Point Method:**

N/P

**Flash Point:****Flash Point Text:**

-101F, -74C

**Autoignition Temp:****Autoignition Temp Text:**

N/K

**Lower Limits:**

1

**Upper Limits:**

8.4

**Extinguishing Media:**

CRY CHEMICAL OR CARBON DIOXIDE AFTER THE FLOW HAS SPED.

**Fire Fighting Procedures:**

USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT. COOL FIRE EXPOSED CONTAINERS WITH WATER FOG.

**Unusual Fire/Explosion Hazard:**

CONTAINERS MAY BURST FROM HEAT OF FIRE. VAPORS ARE HEAVIER THAN AIR, CAN TRAVEL DISTANCES ALONG THE GROUND, AND FLASHBACK AT THE SOURCE.

## Physical/Chemical Properties

**HCC:**

G2

**NRC/State LTC No:**

N/P

**Net Prop WT For Ammo:**

N/P

**Boiling Point:****B.P. Text:**

31.0F, -0.6C

**Melt / Freeze Pt:**

N/R

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

N/R

**Decomp Temp:****Decomp Text:**

UNKNOWN

**Vapor Pres:**

1PSIG

**Vapor Density:**

2.0

**Volatile Org Content %:**

CRY CHEMICAL OR CARBON DIOXIDE AFTER THE FLOW HAS SPED.

**Spec Gravity:**

0.58

**VOC Pounds/Gallon:**

N/R

**PH:**

N/R

**VOC Grams/Liter:**

N/R

**Evaporation Rate & Reference:**

FLASH EVAPORATES

**Solubility in Water:**

NEGLIGIBLE

**Colorless Liquified Compressed Gas Characteristic Odor:**

COLORLESS LIQUID COMPRESSED GAS, CHARACTERISTIC ODOR.

**Percent Volatiles by Volume:**

N/K

**Corrosion Rate:**

UNKNOWN

## Reactivity Data

**Stability Indicator:**

YES

**Stability Condition To Avoid:**

HIGH HEAT, SOURCES OF IGNITION.

**Materials To Avoid:**

STRONG OXIDIZING AGENTS.

**Hazardous Decomposition Products:**

NONE SPECIFIED BY MANUFACTURER.

**Hazardous Polymerization Indicator:**

NO

**Conditions To Avoid Polymerization:**

N/R

**Decomposition Products:**

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:**