

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-111/111-70-6.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
111-70-6  
**Code:**  
M

**RTECS:**  
MK0350000  
**Code:**  
M

**Name:**  
HEPTYL ALCOHOL (1-HEPTANOL) CAS #111-70-6

**Other REC Limits:**  
N/P 2

**OSHA PEL:**  
N/P  
**Code:**

**OSHA STEL:**

**Code:**

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

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

## Control Measures

**Respiratory Protection:**  
SELF-CONTAINED BREATHING APPARATUS

**Ventilation:**  
AS REQUIRED TO CONTROL TLV IN AIR

**Protective Gloves:**  
RUBBER

**Eye Protection:**  
SAFETY GOGGLES

**Other Protective Equipment:**  
Equipment FULL PROTECTIVE CLOTHING,SAFETY SHOWER,EYE WASH STATION

**Work Hygienic Practices:**  
NONE SPECIFIED BY MANUFACTURER.

**Supplemental Safety and Health:**  
MSDS DATED 03/15/85;ITEM CONSISTS OF 3 INGREDIENTS:ACETYLENE TETRABROMIDE 95%; HEPTYL ALCOHOL 5%;AND SOLVISOL RED DYE < 1.0%;SAFETY & HEALTH DATA GIVEN IS FOR ACETYLENE TETRABROMIDE(BY DOW CHEM CO

## Health Hazards Data

**LD50LC50Mixture:**  
LD50 ORAL RAT IS 1200MG/KG FOR INGREDIENT #1

**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:**  
NONE SPECIFIED BY MANUFACTURER.

**Explanation Of Carcinogenicity:**  
N/P

**Signs And Symptoms Of Overexposure:**  
3 EYES:IRRIT,CORNEAL INJURY;SKIN:IRRIT,BURNS; INHAL: EYE & NASAL IRRIT,INJURY TO LIVER AND KIDNEY,TESTES

**Medical Cond Aggravated By Exposure:**  
NONE SPECIFIED BY MANUFACTURER.

**First Aid:**  
REMOVE TO FRESH AIR.CALL DOCTOR.IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION.IF BREATHING IS DIFFICULT GIVE OXYGEN.REMOVE CONTAMINATED CLOTHING & SHOES.EYE & SKIN CONTACT:FLUSH SKIN OR EYES W/H2O FOR AT LEAST 15 MINS.KEEP PATIENT WARM & QUIET.

**Spill Release Procedures:**  
NO FLARES,SMOKING OR FLAMES IN HAZARD AREA. S LEAK IF WITHOUT RISK,USE WATER SPRAY TO REDUCE VAPORS.DO NOT TOUCH SPILLED MATERIAL.KEEP COMBUSTIBLES AWAY FROM SPILLED MATERIAL.SML SPILLS: TAKEUP W/S AND,EARTH,OR OTHER NONCOMBUSTIBLE LG SPILLS: DIKE

**Neutralizing Agent:**  
NONE SPECIFIED BY MANUFACTURER.

**Waste Disposal Methods:**  
DISPOSE OF COLLECTED MATERIAL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

**Handling And Storage Precautions:**  
WEAR SAFETY GLOVES,CHEMICAL GOGGLES,RUBBER GLOVES

**Other Precautions:**  
AVOID CONTACT WITH SKIN AND EYES. DO NOT BREATHE VAPORS/MIST.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
NONFLAMMABLE

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/K

**Lower Limits:**  
NOT GIVEN

**Upper Limits:**  
NOT GIVEN 4

**Extinguishing Media:**  
NONFLAMMABLE. USE EXTINGUISHING MEDIA SUITABLE FOR SURROUNDING FIRE.

**Fire Fighting Procedures:**  
FIRE FIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL TANKS AND CONTAINERS EXPOSED TO FIRE WITH WATER.

**Unusual Fire/Explosion Hazard:**  
WILL DECOMPOSE ABOVE 239C, RELEASING POISONOUS AND CORROSIVE FUMES OF BROMINE, HYDROGEN BROMIDE AND CARBONYL BROMIDE.

## Physical/Chemical Properties

**HCC:**  
T4

**NRC/State LIC No:**  
N/R

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
246F,119C

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
30.2F,-1.0C

**Decomp Temp:**

**Decomp Text:**  
462F,239C

**Vapor Pres:**  
.04

**Vapor Density:**  
11.92

**Volatile Org Content %:**

**Spec Gravity:**  
2.96

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/K

**Evaporation Rate & Reference:**  
>100(ETHYL ETHER=1)

**Solubility in Water:**  
MODERATE

**Appearance and Odor:**  
COLORLESS AND YELLOW LIQUID, SWEET PUNGENT ODOR

**Percent Volatiles by Volume:**  
N/K

**Corrosion Rate:**  
UNKNOWN

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
HIGH TEMPERATURES

**Materials To Avoid:**  
ACTIVE METALS AND STRONG CAUSTICS.

**Hazardous Decomposition Products:**  
BROMINE, HYDROGEN BROMIDE

**Hazardous Polymerization Indicator:**  
NO

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

## 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