

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-74/74-97-5.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
74-97-5  
**Code:**  
M

**RTECS:**  
PA5250000  
**Code:**  
M

**Name:**  
CHLOROBROMOMETHANE

**Other REC Limits:**  
N/P

**OSHA PEL:**  
200 PPM  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
200PPM; 9192  
**Code:**  
M

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

## Control Measures

**Respiratory Protection:**  
ALL PURPOSE CANISTER MASK.CHEMICAL CARTRIDGE RESPIRATOR

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

**Protective Gloves:**  
RUBBER

**Eye Protection:**  
4 FACE SHIELD

**Other Protective Equipment:**  
Equipment NONE

**Work Hygienic Practices:**  
N/P

**Supplemental Safety and Health:**  
METHYL ETHYL KETONE IAW FED.SPEC. TT-M-261 & BROMOCHLOROETHANE IAW MIL-B-4394 PER JAMES CHATSFIELD OF UNION CARBIDE,71-1-304-747-7624.THE BROMOCHLOROETHANE IS HIGHLY TOXIC MATERIAL TO HUMANS.

## 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:**  
IRRITATION OF NOSE,THROAT & EYES.HEADACHE,NAUSEA,VOMITING

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

**First Aid:**  
REMOVE TO FRESH AIR & CALL A PHYSICIAN.FLUSH SKIN & EYE CONTACT WITH WATER.IF SWALLOWED,INDUCE VOMITING & CALL A PHYSICIAN

**Spill Release Procedures:**  
ELIMINATE ALL SOURCES OF IGNITION.FLUSH WITH LARGE VOLUMES OF WATER.

**Neutralizing Agent:**  
N/P

**Waste Disposal Methods:**  
ATOMIZE INTO AN INCINERATOR UNDER APPROVED CONTROLLED PROCEDURES.

**Handling And Storage Precautions:**  
3 CLOSE TIGHTLY,STORE IN COOL PLACE.AVOID FIRE-DO NOT LOAD TO GETHER WITH EXPLOSIVES,OXIDIZING MATERIALS,POISONS,ORGANIC PEROXIDES & RADIOACTIVE MATERIA

**Other Precautions:**  
LPREFERABLY PROVIDE ELECTRICAL EQUIPMENT WITH SPARK RESISTANT CONSTRUCTION.WEAR RUBBER GLOVES,PROTECTIVE CLOTHING,&FACE SHIELD.PROVIDE WITH GENERAL-PURPOSE BREATHING APPARATUS.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
22F TOC.

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
1.8

**Upper Limits:**  
10

**Extinguishing Media:**  
USE ALCOHOL FOAM(LARGE FIRES)CARBON DIOXIDE(SMALL FIRES).

**Fire Fighting Procedures:**  
NONE

**Unusual Fire/Explosion Hazard:**  
NONE

## Physical/Chemical Properties

**HCC:**  
F2

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
175.3F

**Melt /Freeze Pt:**

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

**Decomp Temp:**

**Decomp Text:**  
N/A

**Vapor Pres:**  
70

**Vapor Density:**  
2.5

**Volatile Org Content %:**

**Spec Gravity:**  
0.8061

**VOC Pounds/Gallon:**

**PH:** N/P

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
5.7,BUTYL ACETATE

**Solubility in Water:**  
0.268

**Appearance and Odor:**  
CLEAR LIQUID;NON-RESIDUAL ODOR

**Percent Volatiles by Volume:**  
100

**Corrosion Rate:**  
N/P 5

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
NONE

**Materials To Avoid:**  
STRONG OXIDIZERS,ORGANIC PEROXIDES,RADIOACTIVE MATERIALS

**Hazardous Decomposition Products:**  
CARBON MONOXIDE CARBON DIOXIDE

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
NONE

## 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