

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-74/74-83-9.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
74-83-9
Code:
M

RTECS:
PA4900000
Code:
M

Name:
METHYL BROMIDE (SARA III)

Other REC Limits:
NOT ESTABLISHED

OSHA PEL:
S,C, 20 PPM
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
S, 5 PPM; 9293
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
IF CONCENTRATION AS MEASURED BY DETECTOR TUBE EXCEEDS 5 PPM OF METHYL BROMIDE AT ANY TIME, ALL PERSONS IN FUMIGATION AREA MUST WEAR NIOSH/MSHA APPROVED SCBA.

Ventilation:
4 LOCAL EXHAUST ESSENTIAL WHEN INDOORS.

Protective Gloves:
AS REQUIRED.

Eye Protection:
FULL FACE SHIELD.

Other Protective Equipment:
Equipment PUMP AND DETECTOR TUBES FOR MEASURING METHYL BROMIDE CONCENTRATIONS.

Work Hygienic Practices:
WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health:
METHYL BROMIDE HAS NO ODOR AT DANGEROUS LEVELS AND IS EXTREMELY HAZARDOUS. THIS PRODUCT IS TOXIC TO FISH AND WILDLIFE.KEEP OUT OF LAKES,STREAMS,AND PONDS.DO NOT CONTAMINATE WATER BY CLEANING OF EQUIPM ENT OR DISPOSAL OF WASTES. DO NOT CONTAMINATE WATER,FOOD,OR FEED BY STORAGE.

Health Hazards Data

LD50LC50Mixture:
LD50 (ORAL RAT) IS 214 MG/KG METH.BROM.

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
METHYL BROMIDE AND CHLOROPICRIN ARE POISONS AND CAN CAUSE RESPIRATORY DISTRESS AND CARDIAC ARREST. METHYL BROMIDE MAY CAUSE NEUROTOXIC AND GENOTOXIC EFFECTS. CHLOROPICRIN IS MUTAGENIC.

Explanation Of Carcinogenicity:
NONE OF THE CHEMICALS IN THIS PRODUCT IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Signs And Symptions Of Overexposure:
METHYL BROMIDE:DIZZINESS,BLURRED VISION,LASSITUDE,FATIGUE,STAGGERING GAIT,SLURRED SPEECH,NAUSEA,VOMIT,ANOREXIA,CONVULSION,EYE AND SKIN BURNS. CHLOROPICRIN:SEVERE IRRITATION,TEARING,PULMONARY EDEMA,VOM IT,WEAKNESS,IRREGULAR HEARTBEAT,ATHMATIC ATTACK.

Medical Cond Aggravated By Exposure:
EXISTING DERMATITIS AND RESPIRATORY PROBLEMS MAY BE AGGRAVATED.

First Aid:
IN ALL CASES,GET MEDICAL ATTENTION IMMEDIATELY. EYES:FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. SKIN:REMOVE CONTAMINATED CLOTHING AND SHOES.WASH WITH SOAP AND WATER. INHALATION:REMOVE TO FRES H AIR.GIVE OXYGEN/CPR IF NEEDED.SEE DOCTOR IMMEDIATELY. INGESTION:SEE DOCTOR IMMEDIATELY.

Spill Release Procedures:
EVACUATE PERSONNEL.USE SCBA.MOVE LEAKING CYLINDERS OUTDOORS OBSERVING STRICT SAFETY PRECAUTIONS.WORK UPWIND.ALLOW SPILL TO EVAPORATE.DO NOT PERMIT ENTRY INTO SPILL AREA UNTIL CONCENTRATION OF METHYL B ROMIDE IS LESS THAN 5 PPM.

Neutralizing Agent:
NONE APPLICABLE FOR THIS MATERIAL

Waste Disposal Methods:
3 PESTICIDE WASTES ARE TOXIC. CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER. DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

Handling And Storage Precautions:
STORE IN A LOCKED,DRY,COOL,WELL VENTILATED AREA.POST AS A PESTICIDE STORAGE AREA. HANDLE CYLINDER PROPERLY AND VERY CAREFULLY.KEEP SAFETY CAP ON.

Other Precautions:
ALL PERSONS WORKING WITH BROM-O-GAS SHOULD BE TRAINED IN THE HAZARDS, USE OF REQUIRED RESPIRATOR AND DETECTION EQUIPMENT, EMERGENCY PROCEDURES AND IN THE PROPER USE OF BROM-O-GAS AS A FUMIGANT WHERE A PPLICABLE.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
UNKNOWN

Autoignition Temp:

Autoignition Temp Text:
N/K

Lower Limits:
10

Upper Limits:
15.

Extinguishing Media:
ALL CONVENTIONAL EXTINGUISHING MEDIA ARE SUITABLE.

Fire Fighting Procedures:
FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:
CHLOROPICRIN DECOMPOSES VIOLENTLY AT 234F TO SEVERELY TOXIC GASES.COMBUSTION IN PRESENCE OF OTHER FUELS MAY RELEASE HYDROGEN BROMIDE AND/OR BROMINE.

Physical/Chemical Properties

HCC:
G1

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
38.5F/3.6C

Melt/Freeze Pt:

M.P/F.P Text:
UNKNOWN

Decomp Temp:

Decomp Text:
UNKNOWN

Vapor Pres:
1400

Vapor Density:
3.27

Volatile Org Content %:

Spec Gravity:
1.732

VOC Pounds/Gallon:

PH: N/P

VOC Grams/Liter:

Viscosity:
N/R 5

Evaporation Rate & Reference:
UNKNOWN

Solubility in Water:
1.75%

Appearance and Odor:
COLORLESS LIQUID WITH TEAR GAS ODOR BELOW BOILING POINT OF METHYL BROMIDE

Percent Volatiles by Volume:
N/P

Corrosion Rate:
UNKNOWN

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES

Materials To Avoid:
ALUMINUM, MAGNESIUM, ZINC, ALKALI METALS, STRONG ALKALIS.

Hazardous Decomposition Products:
METHYL BROMIDE MAY RELEASE HYDROGEN BROMIDE OR BROMINE FUMES.CHLOROPICRIN MAY RELEASE NITRIC OXIDE, HCL, PHOSGENE.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NOT APPLICABLE

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