

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

ACGIH STEL:

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 THROUGHLY 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 EQUIPMENT OR DISPOSAL OF WASTES. DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE.

Health Hazards Data

LD50/LC50 Mixture:

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 Symptoms 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, VOMIT, WEAKNESS, IRREGULAR HEARTBEAT, ASTHMATIC 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 FRESH 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 BROMIDE 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 APPROPRIATE.

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 234°F 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:**

38.5F/3.6C

Melt/Freeze Pt:

UNKNOWN

M.P./F.N.P:

UNKNOWN

Decomp Temp:

UNKNOWN

Decomp Text:

UNKNOWN

Vapor Pres:

1400

Vapor Density:

3.27

Volatile Org Content %:

UNKNOWN

Specific Gravity:

1.732

VOC Pounds/Gallon:

UNKNOWN

PH:

N/P

VOC Grams/Liter:

UNKNOWN

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

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Reactivity Data

Stability Indicator:

YES

HIGH TEMPERATURE Sparks, And Open Flames:

NO

Materials To Avoid:

ALUMINUM, MAGNESIUM, ZINC, ALKALI METALS, STRONG ALKALS.

Hazardous Decomposition Products:

METHYL BROMIDE MAY RELEASE HYDROGEN BROMIDE OR BROMINE FUMES. CHLOROPICRIN MAY RELEASE NITRIC OXIDE, HCl, PHOSGENE.