

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-314/314-40-9.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
314-40-9
Code:
M

RTECS:
YQ9100000
Code:
M

Name:
BROMACIL

Other REC Limits:
NOT ESTABLISHED

OSHA PEL:
1 PPM
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
10 MG/M3; 9394
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
USE NIOSH/MSHA APPROVED RESPIRATOR FOR PESTICIDES/ ORGANIC VAPORS/MIST AS REQUIRED IF ABOVE PEL/TLV OR SCBA IN AN ENCLOSED AREA.

Ventilation:
NOT REQUIRED IN OUT-DOOR CONDITIONS; LOCAL/GENERAL TO MAINTAIN PEL/TLV IF APPLICABLE.

Protective Gloves:
NEOPRENE, NITRILE, OR NATURAL RUBBER

Eye Protection:
SAFETY GOGGLES WITH OPTIONAL FACE SHIELD 3

Other Protective Equipment:
Equipment EYE WASH STATION AND SAFETY SHOWER,WORK CLOTHING AND APRON AS REQUIRED(USE IMPERVIOUS CLOTHING).

Work Hygienic Practices:
OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health:
AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS.DO NOT TAKE INTERNALLY.USE AS DIRECTED. MSDS FOR CONTRACT NUMBER SPO450-94-C5441 BY CAGE 4S446 (UNI- KEM). MSDS ENTERED AS PNI B UNTIL SPECIAL UPDATE CAN BE PERFORMED ON PNI A TO DELETE- HAS WRONG FORMULA-CAS # PROBLEM.

Health Hazards Data

LD50LC50Mixture:
LD50 (ORAL RAT) IS 5200 MG/KG(BROMACIL)

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
ACUTE:IRRITATION OF EYES, SKIN, MUCOUS MEMBRANE, RESPIRATORY OR G.I.TRACTS; CNS EFFECTS. CHRONIC: DRYING OF SKIN, DEFATTING OR DERMATTITIS POSSIBLE.

Explanation Of Carcinogenicity:
NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Signs And Symptoms Of Overexposure:
INHALATION: COUGHING, SNEEZING, SHORTNESS OF BREATH, DIZZINESS, NAUSEA, HEADACHE. EYES: REDNESS, TEARING, ITCHING. SKIN: REDNESS, RASH, ITCHING. INGESTION: NAUSEA, VOMITING, DIARRHEA.

Medical Cond Aggravated By Exposure:
PERSONS WITH A HISTORY OF AILMENTS OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, OR RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

First Aid:
SKIN: WASH WITH SOAP & WATER. EYE: FLUSH WITH WATER FOR 15 MINUTES, GET MEDICAL ATTENTION. INGESTION: INDUCE VOMITING BY GIVING WATER & TOUCH BACK OF THROAT. PROMPT MED ATTENTION. DO NOT GIVE MILK OR ANY SUBSTANCE CONTAINING FAT. DO NOT INDUCE VOMITING IF PERSON IS UNCONSCIOUS. 2

Spill Release Procedures:
DO NOT TOUCH SPILLED MATERIAL. ABSORB WITH SAND, OTHER NON COMBUSTIBLES. PLACE IN A CONTAINER FOR LATER DISPOSAL.

Neutralizing Agent:
NOT APPLICABLE.

Waste Disposal Methods:
CONSULT LOCAL AUTHORITIES. DISPOSAL MUST BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

Handling And Storage Precautions:
STORE IN WELL VENTILATED AREA, TEMPERATURE BETWEEN 40F & 80F IS SUGGESTED. AVOID CONTAMINATION.

Other Precautions:
DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES.

Fire and Explosion Hazard Information

Flash Point Method:
TCC

Flash Point:

Flash Point Text:
92.0F,33.3C

Autoignition Temp:

Autoignition Temp Text:
N/R

Lower Limits:
UNKNOWN

Upper Limits:
UNKNOWN

Extinguishing Media:
USE CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

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:
FIRE FIGHTING TO BE DONE FROM UPWIND TO MINIMIZE EXPOSURE TO PESTICIDE OR FUMES. CONTAIN ALL EXTINGUISHING MATERIALS; PREVENT RUNOFF INTO WATERWAYS AND SEWERS.

Physical/Chemical Properties

HCC:
F5

NRC/State LIC No:
N/R

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
UNKNOWN

Melt/Freeze Pt:

M.P/F.P Text:
UNKNOWN

Decomp Temp:

Decomp Text:
UNKNOWN

Vapor Pres:
UNKNOWN

Vapor Density:
>1

Volatile Org Content %:

Spec Gravity:
UNKNOWN

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/R

Evaporation Rate & Reference:
UNKNOWN

Solubility in Water:
SLIGHT

Appearance and Odor:
DEEP AMBER TO BROWN LIQUID WITH AN AMMONIA-LIKE ODOR

Percent Volatiles by Volume:
N/K

Corrosion Rate:
UNKNOWN

Reactivity Data

Stability Indicator:
YES

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

Materials To Avoid:
STRONG OXIDIZING AGENTS,ACIDS

Hazardous Decomposition Products:
NONE SPECIFIED

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NONE SPECIFIED BY MANUFACTURER.

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