

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

ACGIH STEL:

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

LD50/LC50 Mixture:

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 DERMATITIS 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:

92.0F, 33.3C

Autoignition Temp:

N/R

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

FCC:

F5

NRC/State Lic No:

N/R

Net Prop Wt For Ammo:

NO

Boiling Point:

UNKNOWN

B.P. Text:

UNKNOWN

Melt/Freeze Pt:

UNKNOWN

Decomp Temp:

UNKNOWN

Decomp Text:

UNKNOWN

Vapor Pres:

UNKNOWN

Vapor Density:

UNKNOWN

Volatile Org Content %:

UNKNOWN

Spec Gravity:

UNKNOWN

VOC Pounds/Gallon:

UNKNOWN

pH:

N/K

VOC Grams/Liter:

UNKNOWN

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

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