

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-106/106-94-5.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
106-94-5
Code:
M

RTECS:
TX4110000
Code:
F

Name:
N-PROPYL BROMIDE (1-BROMOPROPANE) Environmental

Other REC Limits:
NONE RECOMMENDED

OSHA PEL:
NOT ESTABLISHED
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
NOT ESTABLISHED
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
NOT REQUIRED UNDER CONDITIONS OF NORMAL USE. IF VAPOR/MIST IS PRESENT USE NIOSH CERTIFIED ORGANIC VAPOR MASK.

Ventilation:
LOCAL EXHAUST/HOOD OR FAN MAY BE USED; ADQUATE VENTILATION IS EXTREMELY IMPORTANT.

Protective Gloves:
VITRON OR NORFOIL GLOVES ARE RECOMMENDED 5

Eye Protection:
SAFETY CHEMICAL GLASSES AND SPLASH PROTECTION REQUIRED.

Other Protective Equipment:
Equipment NONE REQUIRED UNDER NORMAL USE.

Work Hygienic Practices:
PROVIDE VENTILATION AS REQUIRED. AVOID BREATHING CONCENTRATED VAPORS/FUMES. ALL EQUIPMENT SHOULD BE PROPERLY GROUNDED. TREAT THIS CHEMICAL WITH RESPECT AND FOLLOW ALL MSDS INSTRUCTIONS.

Supplemental Safety and Health:
N/P

Health Hazards Data

LD50LC50Mixture:
N/P

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
3 INGESTION-SWALLOWING LARGE AMOUNTS MAY BE HARMFUL, BY CAUSING GASTROINTESTINAL IRRITATION. INHALATION-BREATHING LARGE AMOUNTS MAY BE HARMFUL, BY CAUSING NOSE, THROAT, RESPIRATORY TRACT IRRITATION AND EFFECTING THE CENTRAL NERVOUS SYSTEM. EYES-IRRITANT. LIQUID CONTACT WILL IRRITATE THE EYES. SKIN-MAY CAUSE MILD IRRITATION.

Explanation Of Carcinogenicity:
NO

Signs And Symptions Of Overexposure:
INHALATION-DROWSINESS, DIZZINESS AND/OR POSSIBLE UNCONSCIOUSNESS. CHEMICAL BURNS ARE POSSIBLE. EYES-MAY CAUSE STINGING, TEARING AND REDNESS. SKIN-MAYCAUSE REDNESS AND BURNING.

Medical Cond Aggravated By Exposure:
MAY AGGRAVATE PREEXISTING DISEASE OF THE SKIN AND LIVER.

First Aid:
INGESTION-SEEK MEDICAL ATTENTION IMMEDIATELY. IF INDIVIDUAL IS DROWSY OR UNCONSCIOUS, DO NOT GIVE ANYTHING BY MOUTH; PLACE ON LEFT SIDE WITH HEAD DOWN. IF CONSCIOUS, GIVE 1-2 GLASSES OF WATER. CONTACT MEDICAL FACILITY OR POISON CONTROL CENTER FOR ADVICE ABOUT WHETHER TO INDUCE VOMITING. INHALATION-REMOVE TO FRESH AIR, IF BREATHING IS DIFFICULT GIVE OXYGEN; IF BREATHING HAS SPED; PERFORM ARTIFIC IAL RESPIRATION. KEEP PERSON WARM AND QUIET. SEEK MEDICAL ATTENTION. EYES-IRRIGATE IMMEDIATELY

Spill Release Procedures:
SMALL SPILL-ABSORB LIQUID ON VERMICULITE, FLOOR ABSORBENT, OR OTHER INERT ABSORBENT. PLACE IN SUITABLE LABELED CONTAINER FOR DISPOSAL. LARGE SPILL-VENTILATE CONTAMINATED AREA. ELIMINATE ALL IGNITION S OURCES. PERSON NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN UP HAS BEEN COMPLETED. S SPILL AT SOURCE. PREVENT FROM ENTERING DRAINS, SEWERS, STREAMS, ETC.

Neutralizing Agent:
N/P

Waste Disposal Methods:
TRIAGEN MAY BE DISPOSED OF AS AN INDUSTRIAL WASTE IN A MANNER ACCEPTABLE TO GOOD WASTE MANAGEMENT PRACTICES AND IN COMPLIANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATION.

Handling And Storage Precautions:
MATERIAL SHOULD BE STORED IN A COOL DRY, WELL-VENTILATED AREA. AEROSOL CONTAINERS MAY EXPLODE WHEN EXPOSED TO TEMPERATURES AT OR ABOVE 120F. SINCE EMPTY CONTAINERS RETAIN 4 PRODUCT RESIDUES, ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERVED.

Other Precautions:
ALL METAL PAILS OR DRUMS SHOULD BE GROUNDED AND/OR BONDED WHEN MATERIAL IS TRANSFERRED. ANY USE OF THIS PRODUCT IN ELEVATED TEMPERATURE PROCESSES SHOULD BE THOROUGHLY EVALUATED TO ESTABLISH AND MAINTA IN SAFE OPERATING CONDITIONS.

Fire and Explosion Hazard Information

Flash Point Method:
TCC

Flash Point:

Flash Point Text:
NONE

Autoignition Temp:

Autoignition Temp Text:
N/P

Lower Limits:
-3.8

Upper Limits:
-7.5

Extinguishing Media:
ALL CONVENTIONAL MEDIA ARE SUITABLE

Fire Fighting Procedures:
KEEP FIRE EXPOSED CONTAINERS COOL WITH WATER. FIREFIGHTER SHOULD WEAR SCBA W/FULL FACEPIECE OPERATED IN POSITIVE PRESSURE DEMAND MODE W/ APPROPRIATE GEAR & CHEMICAL RESISTANT PERSONAL PROTECTIVE EQUI PMENT.

Unusual Fire/Explosion Hazard:
MATERIAL FORMS A FLAMMABLE MIXTURE W/AIR IN A NARROW FLAMMABILTY RANGE (-3.8-7.5% BY VOL) CNTNR EXPO TO FLAME/HIGH HEAT MAY EXPLODE. USE H2O TOWATER TO COOL CONTAINERS. IN FIRE, TOXIC GASES MAY BE REL EASED.

Physical/Chemical Properties

HCC:
V2

NRC/State LIC No:
N/P

Net Prop WT For Ammo:

Boiling Point:
=71.1C, 160.F

B.P. Text:

Melt/Freeze Pt:

M.P/F.P Text:
N/APPLICABLE

Decomp Temp:

Decomp Text:
N/P

Vapor Pres:
111 MMHG @20C

Vapor Density:
AIR=1: 4.2

Volatile Org Content %:

Spec Gravity:
H2O-1: 1.33

VOC Pounds/Gallon:

PH: N/P

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
6.05 N-BUTYL ACETATE=1

Solubility in Water:
NEGILIGIBLE .25G9100)@20C

Appearance and Odor:
CLEAN. COLORLESS LIQUID W/CHARACTERISTIC ODOR 6

Percent Volatiles by Volume:
N/P

Corrosion Rate:
N/P

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
SOURCES OF IGNITION SUCH AS SPARKS, HOT SURFACES, WELDING, FLAMES AND CIGARETTES. IGNITION/FLASH MAY RESULT IF CONCENTRATION OF PRODUCT IS IN THE FLAMMABLE RANGE.

Materials To Avoid:
NOT COMPATIBLE WITH CERTAIN PLASTICS AND RUBBER, STRONG OXIDIZERS, STRONG ACIDS. TEST ALL NON-METALLICS PRIOR TO USE.

Hazardous Decomposition Products:
MAY FORM HYDROGEN BROMIDE, BROMINE, AND OXIDES OF CARBON.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
N/P

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