

# 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

**ACGIH STEL:**  
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

**LD50/LC50 Mixture:**

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 Symptoms Of Overexposure:**

INHALATION-DROWSINESS, DIZZINESS AND/OR POSSIBLE UNCONSCIOUSNESS. CHEMICAL BURNS ARE POSSIBLE. EYES-MAY CAUSE STINGING, TEARING AND REDNESS. SKIN-MAY CAUSE 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 ARTIFICIAL 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 SOURCES. PERSON NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN UP HAS BEEN COMPLETED. 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 MAINTAIN SAFE OPERATING CONDITIONS.

## Fire and Explosion Hazard Information

**Flash Point Method:**

TC

**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 EQUIPMENT.

**Unusual Fire/Explosion Hazard:**

MATERIAL MAY EXPLODE A FLAMMABLE MIXTURE W/AIR IN A NARROW FLAMMABILITY RANGE (-3.8-7.5% BY VOL). CNTNR EXPO TO FLAME/HIGH HEAT MAY EXPLODE. USE H2O TO WATER TO COOL CONTAINERS. IN FIRE, TOXIC GASES MAY BE RELEASED.

## Physical/Chemical Properties

**HCC:**

V2

**NRC/State LIC No:**

N/P

**Net Prop WT For Ammo:**

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**Boiling Point:**

=71.1C, 160F

**B.P. Text:**

**B.P. Text:**

**Melt/Freeze Pt:**

**Melt/Freeze Pt:**

**Decomp Temp:**

**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 BUTYL ACETATE-1

**Solubility in Water:**

NEGLIGIBLE .25G@100)@20C

**Appearance and Odor:**

CLEAN, COLORLESS LIQUID W/CHARACTERISTIC ODOR 6

**Percent Volatiles by Volume:**

N/P

**Corrosion Rate:**

N/P

**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:** N/P