

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-924/924-16-3.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
924-16-3  
**Code:**  
M

**RTECS:**  
EJ4025000  
**Code:**  
M

**Name:**  
N-NITROSODI-N-BUTYLAMINE

**Other REC Limits:**  
N/K

**OSHA PEL:**  
NONE  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
NONE  
**Code:**  
M

**ACGIHSTEL:**  
N/P  
**Code:**

## Control Measures

**Respiratory Protection:**  
IF EXPOSURE LIMIT IS EXCEEDED, A NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL.

**Ventilation:**  
AN APPROVED FUME HOOD/EQUIVALENT

**Protective Gloves:**  
VITON, POLYVINYL ALCOHOL/EQUIVALENT

**Eye Protection:**  
SAFETY GLASSES W/SIDE SHIELDS

**Other Protective Equipment:**  
Equipment EYE WASH &SAFETY EQUIPMENT.

**Work Hygienic Practices:**  
WASH THOROUGHLY W/SOAP &WATER AFTER HANDLING.

**Supplemental Safety and Health:**  
N/K 7

## Health Hazards Data

**LD50LC50Mixture:**  
N/P

**Route Of Entry Inds - Inhalation:**  
YES

**Skin:**  
NO

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
YES

**IARC:**  
YES

**OSHA:**  
YES

**Health Hazards Acute And Chronic:**  
SKIN: IRRITATION. EYES: IRRITAION/INJURY. INHALATION: TOXIC. IRRITATION TO MUCOUS MEMBRANE, MAY CAUSE DEATH. INGESTION: IRRITATION OF THE GI TRACT W/VOMITING. METHYLENE CHLORIDE: CAN BE ASPIRATED INTO THE LUNGS & CAUSE CHEMICAL PNEUMONIA &SYSTEMIC EFFECTS. MAY CAUSE BLOOD DEFECTS & AFFECT LIVER/KIDNEYS & CNS.

**Explanation Of Carcinogenicity:**  
SEE INGREDIENTS.

**Signs And Symptions Of Overexposure:**  
IRRITATION, DIZZINESS, NAUSEA, HEADACHE, NARCOSIS, IRREGULAR HEARTBEATS, COMA, VOMITING.

**Medical Cond Aggravated By Exposure:**  
HEART, KIDNEY & LIVER CONDITIONS.

**First Aid:**  
SKIN: WASH THROUGHLY W/SOAP & WATER. EYES: IMMEDIATELY FLUSH W/WATER FOR 15 MINS. INHALATION: REMOVE TO FRESH AIR; GIVE CPR IF NECESSARY. INGESTION: DON'T INDUCE VOMITING. OBTAIN MEDICAL ATTENTION IN ALL CASES.

**Spill Release Procedures:**  
WEAR PROTECTIVE EQUIPMENT. ELIMINATE ANY IGNITION SOURCES. CONTAIN THE RELEASE & ELIMINATE ITS SOURCE SAFELY. DISPOSE AS HAZARDOUS WASTE.

**Neutralizing Agent:**  
N/K

**Waste Disposal Methods:**  
6 DISPOSE OF IN ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS.

**Handling And Storage Precautions:**  
KEEP CONTAINER TIGHTLY CLOSED. STORE IN A COOL, WELL-VENTILATED AREA AWAY FROM OPEN FLAMES.

**Other Precautions:**  
DON'T BREATH VAPOR/MIST. DON'T GET IN EYES, ON SKIN/ON CLOTHING.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
N/K

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
13

**Upper Limits:**  
23

**Extinguishing Media:**  
WATER SPRAY, CO2, DRY CHEMICAL

**Fire Fighting Procedures:**  
WEAR SELF CONTAINED BREATHING APPARATUS.

**Unusual Fire/Explosion Hazard:**  
FORMS FLAMMABLE VAPOR-AIR MIXTURES >AMBIENT TEMPS.

## Physical/Chemical Properties

**HCC:**

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
103.6F

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
-139F

**Decomp Temp:**

**Decomp Text:**  
N/K

**Vapor Pres:**  
340

**Vapor Density:**  
2.93

**Volatile Org Content %:**

**Spec Gravity:**  
1.326

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
(BU AC=1): 27.5

**Solubility in Water:**  
2%

**Appearance and Odor:**  
COLORLESS LIQUID W/ETHER LIKE ODOR.

**Percent Volatiles by Volume:**  
100

**Corrosion Rate:**  
N/K

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
OPEN FLAMES, WELDING ARCS, HOT SURFACES.

**Materials To Avoid:**  
BASES, OXIDIZERS, OTHER ALKALI METALS, ALUMINUM &MAGNESIUM POWDER, SODIUM, POTASSIUM &LITHIUM.

**Hazardous Decomposition Products:**  
HYDROGEN CHLORIDE, PHOSGENE, CHLORINE

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
N/K

## 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