

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

ACGIH STEL:

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: IRRITATION/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 Symptoms Of Overexposure:

IRRITATION, DIZZINESS, NAUSEA, HEADACHE, NARCOSIS, IRREGULAR HEARTBEATS, COMA, VOMITING.

Medical Cond Aggravated By Exposure:

HEART, KIDNEY & LIVER CONDITIONS.

First Aid:

SKIN: WASH THOROUGHLY 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 %:

YES

Spec Gravity:

1.326

VOC Pounds/Gallon:

N/A

PH:

N/K

VOC Grams/Liter:

N/A

N/Viscosity:

N/P

Evaporation Rate & Reference:

(BU AC=1): 27.5

Solubility in Water:

2%

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:

DON'T BREATH VAPOR/MIST. DON'T GET IN EYES, ON SKIN/ON CLOTHING.

Toxicological Information

Information:**MSDS Transport Information****Information:****Regulatory Information****Information:****Sara Title III Information:**

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

Other Information

Information:**Other Information:****Other Information:**