

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-142/142-96-1.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
142-96-1  
**Code:**  
M

**RTECS:**  
EK5425000  
**Code:**  
M

**Name:**  
DIBUTYL ETHER

**Other REC Limits:**  
NONE RECOMMENDED

**OSHA PEL:**  
2 NOT ESTABLISHED  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
NOT ESTABLISHED  
**Code:**  
M

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

## Control Measures

**Respiratory Protection:**  
4 IF USE CONDITIONS GENERATE AIRBORNE CONTAMINATION, USE NIOSH RECOMMENDED RESPIRATORS APPROPRIATE FOR THE AIRBORNE LEVELS GENERATED.

**Ventilation:**  
PROVIDE MECHANICAL (GENERAL) AND/OR LOCAL EXHAUST VENTILATION AS REQUIRED TO CONTROL AIRBORNE CONTAMINATION.

**Protective Gloves:**  
SOLVENT RESISTANT GLOVES RECOMMENDED.

**Eye Protection:**  
CHEMICAL SPLASH GOGGLES RECOMMENDED.

**Other Protective Equipment:**  
Equipment USE IMPERVIOUS CLOTHING IF NECESSARY TO AVOID PROLONGED SKIN CONTACT.

**Work Hygienic Practices:**  
WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

**Supplemental Safety and Health:**  
FLASH POINT METHOD, ASTM D3065-72.

## Health Hazards Data

**LD50LC50Mixture:**  
ORAL LD50 (RAT) IS UNKNOWN.

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

**Skin:**  
YES

**Ingestion:**  
NO

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
EYES: SEVERE IRRITATION, REDNESS, BLURRED VISION. SKIN: PROLONGED CONTACT CAN CAUSE IRRITATION, DEFATTING, DERMATITIS. INHALATION: CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATI GUE, NAUSEA, HEADACHE, UNCONSCIOUSNESS,ASPHYXIATION. INGESTION: GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING,DIARRHEA.

**Explanation Of Carcinogenicity:**  
N/P

**Signs And Symptoms Of Overexposure:**  
EYES: IRRITATION, REDNESS, BLURRED VISION. SKIN: IRRITATION, DEFATTING, DERMATITIS. INHALATION: NASAL AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, UNCONSCIOUSNESS, ASPHY XIATION. INGESTION: GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, DIARRHEA.

**Medical Cond Aggravated By Exposure:**  
NONE SPECIFIED BY MANUFACTURER.

**First Aid:**  
EYES: FLUSH WITH LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AREA WITH SOAP AND WATER. IF ADVERSE SYMPTOMS DEVELOP, GET MEDICAL ATTE NTION. INHALATION: MOVE TO FRESH AIR. GET MEDICAL ATTENTION. INGESTION: GET MEDICAL ATTENTION.

**Spill Release Procedures:**  
3 REMOVE POTENTIAL IGNITION SOURCES. PROVIDE ADEQUATE VENTILATION AND CLEAR THE AREA. MOP, WIPE, OR SOAK UP.

**Neutralizing Agent:**  
NONE SPECIFIED BY MANUFACTURER.

**Waste Disposal Methods:**  
DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. CANS ARE UNDER PRESSURE. DO NOT PUNCTURE OR INCINERATE.

**Handling And Storage Precautions:**  
AVOID OPEN FLAMES AND SPARKS. USE WITH ADEQUATE VENTILATION. STORAGE SHOULD BE IN COMPLIANCE WITH NFPA AND OSHA 29CFR1910.106 AND 107.

**Other Precautions:**  
AVOID CONTACT WITH SKIN AND BREATHING OF VAPORS.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
FLAMMABLE

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
UNKNOWN

**Upper Limits:**  
UNKNOWN

**Extinguishing Media:**  
POWDER OR FOAM RECOMMENDED.

**Fire Fighting Procedures:**  
SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING SHOULD BE WORN IN FIGHTING FIRES INVOLVING CHEMICALS.

**Unusual Fire/Explosion Hazard:**  
NONE.

## Physical/Chemical Properties

**HCC:**  
V3

**NRC/State LIC No:**  
N/R

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
N/R

**Melt /Freeze Pt:**

**M.P/F.P Text:**  
UNKNOWN

**Decomp Temp:**

**Decomp Text:**  
UNKNOWN

**Vapor Pres:**  
N/R

**Vapor Density:**  
UNKNOWN

**Volatile Org Content %:**

**Spec Gravity:**  
0.834+/-0.20 5

**VOC Pounds/Gallon:**

**PH:** UNKNON

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**

**Solubility in Water:**  
SLIGHT

**Appearance and Odor:**  
COLORLESS. MILD ODOR.

**Percent Volatiles by Volume:**  
99.5%

**Corrosion Rate:**  
UNKNOWN

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
EXCESSIVE MOISTURE.

**Materials To Avoid:**  
OXIDIZING MATERIALS CAN CAUSE REACTION.

**Hazardous Decomposition Products:**  
HYDROGEN CHLORIDE, HYDROGEN FLUORIDE, CARBON MONOXIDE, AND INCOMPLETE COMBUSTION PRODUCTS.

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
WILL NOT OCCUR.

## 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