

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-102/102-79-4.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
102-79-4  
**Code:**  
M

**RTECS:**  
KK0525000  
**Code:**  
M

**Name:**  
2,2'-(BUTYLIMINO)DIETHANOL

**Other REC Limits:**  
NONE RECOMMENDED

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

**OSHA STEL:**

**Code:**

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

**ACGIHSTEL:**  
N/P  
**Code:**  
2

## Control Measures

**Respiratory Protection:**  
NONE SHOULD BE NEEDED.

**Ventilation:**  
GOOD GENERAL VENTILATION, TYPICALLY 10 AIR CHANGES PER HOUR, SHOULD BE USED. RATES SHOULD MATCH CONDITIONS.

**Protective Gloves:**  
IMPERVIOUS

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

**Other Protective Equipment:**  
Equipment CHEMICAL RESISTANT CLOTHING AS NECESSARY TO PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE AVAILABLE.

**Work Hygienic Practices:**  
WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

**Supplemental Safety and Health:**  
NONE SPECIFIED BY MANUFACTURER.

## Health Hazards Data

**LD50LC50Mixture:**  
ORAL LD50 (RAT): NOT GIVEN

**Route Of Entry Inds - Inhalation:**  
NO

**Skin:**  
YES

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
MAY CAUSE ALLERGIC SKIN REACTION BASED ON HUMAN EXPERIENCE. EXPECTED TO BE A LOW INHALATION HAZARD FOR RECOMMENDED HANDLING. EYE CONTACT CAUSES IRRITATION.PROLONGED OR REPEATED CONTACT WITH AQUEOUS SO LUTIONS MAY CAUSE IRRITATION. MAY CAUSEALLERGIC SKIN REACTION. INGESTION MAY CAUSE IRRITATION OF GI TRACT.

**Explanation Of Carcinogenicity:**  
THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

**Signs And Symptoms Of Overexposure:**  
ALLERGIC SKIN REACTION, EYE IRRITATION, SKIN IRRITATION, GI TRACT IRRITATION.

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

**First Aid:**  
INHALATION: IF SYMPTOMATIC, MOVE TO FRESH AIR. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EYES: WASH OUT IMEEDIATELY WITH WATER. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR. SKIN: WASH WITH SOAP AND WATER . GET MEDICAL ATTENTION IF SYMPTOMS OCCUR. INGESTION: INDUCE VOMITING AS DIRECTED BY MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL PHYSICIAN OR POISON CONTROL ASAP.

**Spill Release Procedures:**  
FLUSH TO SEWER IF ALLOWABLE WITH LARGE AMOUNTS OF WATER. OTHERWISE, ABSORB SPILL WITH VERMICULITE OR OTHER INERT MATERIAL, THEN PLACE IN A CONTAINER FOR CHEMICAL WASTE. CLEAN SURFACE TO REMOVE RESIDUA L CONTAMINATION.

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

**Waste Disposal Methods:**  
DISCHARGE, TREATMENT OR DISPOSAL MAY BE SUBJECT TO NATIONAL, STATE OR LOCAL LAWS. MAY REQUIRE NEUTRALIZATION IF PH < 2.0 OR PH > 12.5. DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

**Handling And Storage Precautions:**  
AVOID CONTACT WITH EYES, SKIN AND CLOTHING. USE WITH ADEQUATE VENTINATION. WASH THOROUGHLY AFTER HANDLING. KEEP CONTAINER TIGHTLY CLOSED.

**Other Precautions:**  
THE ROUTINE USE OF A NONALKALINE (ACID) TYPE OF HAND CLEANER AND REGULAR CLEANING OF WORKING SURFACES WILL HELP MINIMIZE THE POSSIBILITY OF A SKIN REACTION. KEEP AWAY FROM INCOMPATIBLE SUBSTANCES.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
NONFLAMMABLE

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
NOT GIVEN

**Upper Limits:**  
NOT GIVEN

**Extinguishing Media:**  
USE APPROPRIATE AGENT FOR ADJACENT FIRE.

**Fire Fighting Procedures:**  
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.

**Unusual Fire/Explosion Hazard:**  
FIRE OR EXCESSIVE HEAT MAY PRODUCE HAZARDOUS DECOMPOSTION PRODUCTS.

## Physical/Chemical Properties

**HCC:**  
B3

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
>212F,>100C

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
NOT GIVEN

**Decomp Temp:**

**Decomp Text:**  
UNKNOWN 4

**Vapor Pres:**  
18

**Vapor Density:**  
0.6

**Volatile Org Content %:**

**Spec Gravity:**  
1.16

**VOC Pounds/Gallon:**

**PH:** 11.4

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
NOT GIVEN

**Solubility in Water:**  
COMPLETE

**Appearance and Odor:**  
LIGHT YELLOW LIQUID, SLIGHT ODOR

**Percent Volatiles by Volume:**  
80%

**Corrosion Rate:**  
UNKNOWN

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
NONE SPECIFIED BY MANUFACTURER.

**Materials To Avoid:**  
STRONG ACIDS.

**Hazardous Decomposition Products:**  
CARBON DIOXIDE, CARBON MONOXIDE, SULFUR DIOXIDE, OXIDES OF PHOSPHORUS.

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
NONE. 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