

## **R-(-)-1,3-BUTANEDIOL 98%, 23761-2**

### **MSDS Number**

BRZDX

### **National Stock Number**

6810-00N016640

### **Product Name**

R-(-)-1,3-BUTANEDIOL 98%, 23761-2

### **Manufacturer**

ALDRICH CHEMICAL CO INC

### **Product Identification**

Product ID:R-(-)-1,3-BUTANEDIOL 98%, 23761-2

MSDS Date:12/04/1987

FSC:6810

NIIN:00N016640

MSDS Number: BRZDX

### **Responsible Party**

ALDRICH CHEMICAL CO INC.

1001 W. ST. PAUL AVE

MILWAUKEE , WI 53201

US

Emergency Phone: 414-273-3850

Info Phone: 414-273-3850/FAX -4979

Cage: 60928

### **Contractor**

ALDRICH CHEMICAL CO INC

355

MILWAUKEE, WI 53233

US

414-273-3850

Cage: 60928

### **Ingredients**

R-(-)-1,3-BUTANEDIOL

CAS: 6290-03-5

### **Hazards**

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE EFTS:MAY BE HARMFUL BY INHAL, INGEST, OR SKIN ABSORPTION. VAP OR MIST IS IRRITATING TO THE EYES, MUCOUS MEMBRANES AND UPPER RESP TRACT. CAUSES SKIN IRRITATION. TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:SEE HEALTH HAZARDS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

### **First Aid**

First Aid:EYES:IMMEDIATELY FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT

LEAST 15 MINUTES. SKIN:WASH SKIN WITH SOAP AND COPIOUS AMOUNTS OF WATER. INHAL:REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. INGEST:CALL MD IMMEDIATELY . WASH CONTAMINATED CLOTHING BEFORE REUSE.

## Fire Fighting

Flash Point:250F,121C  
Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL POWDER, ALCOHOL OR POLYMER FOAM.  
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .  
Unusual Fire/Explosion Hazard:EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

## Accidental Release

Spill Release Procedures:WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY RUBBER GLOVES. COVER W/DRY LIME OR SODA ASH, PICK UP, KEEP IN CLOSED CONTAINERS & HOLD FOR WASTE DISPOSAL. VENT AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:DO NOT BREATHE VAP. AVOID CONTACT W/EYES, SKIN, & CLOTHING. IRRITANT. KEEP TIGHTLY CLOSED.  
HYGROSCOPIC. STORE UNDER NITROGEN. STORE IN COOL DRY PLACE.  
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

## Exposure Controls

Respiratory Protection:NIOSH/MSHA APPROVED RESPIRATOR.  
Ventilation:MECHANICAL EXHAUST REQUIRED.  
Protective Gloves:CHEMICAL RESISTANT GLOVES.  
Eye Protection:CHEMICAL SAFETY GOGGLES.  
Other Protective Equipment:SAFETY SHOWER AND EYE BATH.  
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.  
Supplemental Safety and Health  
NONE SPECIFIED BY MANUFACTURER.

## Chemical Properties

HCC:N1  
Boiling Pt:B.P. Text:>225F,>107C  
Vapor Pres:0.6 @ 20C  
Vapor Density:3.1  
Spec Gravity:1.005  
Appearance and Odor:NONE SPECIFIED BY MANUFACTURER.

## Stability

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS, ACID CHLORIDES, ACID ANHYDRIDES, CHLOROFORMATES, REDUCING AGENTS.  
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.  
Hazardous Decomposition Products:TOXIC FUMES OF:CARBON MONOXIDE, CARBON DIOXIDE

## Disposal

Waste Disposal Methods:DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER. OBSERVE ALL FEDERAL, STATE, AND LOCAL LAWS.

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