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## **BRUTE!**

### **MSDS Number**

BBBGX

### **National Stock Number**

6850-00B020044

### **Product Name**

BRUTE!

### **Manufacturer**

BRULIN AND COMPANY INC

### **Product Identification**

Product ID:BRUTE!

MSDS Date:01/01/1987

FSC:6850

NIIN:00B020044

MSDS Number: BBBGX

### **Responsible Party**

BRULIN & COMPANY,INC.

INDIANAPOLIS , IN 46206-0270

US

Emergency Phone: 1-800-428-7149

Info Phone: 317-923-3211

Cage: DO828

### **Contractor**

BRULIN AND CO INC

270

INDIANAPOLIS, IN 46205-0270

US

317-923-3211

Cage: 94058

### **Ingredients**

POTASSIUM HYDROXIDE (SARA III)

CAS: 1310-58-3

RTECS: TT2100000

Fraction By Weight: 0.1-1.0%

OSHA PELC, 2 MG/M3

ACGIH TLV: C 2 MG/M3; 9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

2-BUTOXYETHANOL

CAS: 111-76-2

RTECS: KJ8575000

Fraction By Weight: 28%



OSHA PELS, 50 PPM

ACGIH TLV: S, 25 PPM; 9293

ETHANOLAMINE

CAS: 141-43-5

RTECS: KJ5775000

Fraction By Weight: 5-10%

OSHA PEL3 PPM/6 STEL

ACGIH TLV: 3 PPM/6 STEL; 9192

## Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYE-DIRECT CONTACT MAY CAUSE IRRITATION.INGESTION-MAY CAUSE GASTROINTESTINAL IRRITATION AND IRRITATION OF MOUTH AND THROAT. SKIN-PROLONGED OR REPEATED CONTACT MAY CAUSE IRRITATION. 2-BUTOXYETHANOL MAY BE ABSORBED IN HARMFUL AMOUNTS. INHALATION-EXCESS EXP.MAY CAUSE RESP.IRRITATION.CHRONIC EXP.=LIVER,KIDNEY,BLOOD EFFECT  
Effects of Overexposure:EYE CONTACT MAY CAUSE IRRITATION SEEN AS REDNESS AND SWELLING.PROLONGED SKIN CONTACT MAY CAUSE IRRITATION AND REDNESS. EXCESSIVE INHALATION OF MISTS MAY BE IRRITATING AND CAUSE COUGHING AND DISCOMFORT IN THE NOSE,THROAT AND CHEST.ACUTE OVEREXPOSURE TO 2-BUTOXYETHANOL MAY CAUSE LETHARGY AND DROWSINESS.  
Medical Cond Aggravated by Exposure:ETHANOLAMINE MAY AGGRAVATE ASTHMA AND INFLAMMATORY OF FIBROTIC PULMONARY DISEASE. MAY ALSO AGGRAVATE AN EXISTING DERMATITIS.

## First Aid

First Aid:INHALATION-REMOVE TO FRESH AIR.ADMINISTER O2 IF BREATHING IS DIFFICULT.EYES-FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MIN OCCASIONALLY LIFTING LIDS.GET MED. ATTENTION.SKIN-WASH WITH MILD SOAP & WATER.L AUNDER CLOTHING BEFORE REUSE.INGESTION-IF CONSCIOUS,DILUTE BY GIVING AT LEAST TWO GLASSES OF WATER,CALL A PHYSICIAN IMMEDIATELY.

## Fire Fighting

Flash Point Method:PMCC  
Flash Point:200F  
Extinguishing Media:WATER,DRY CHEMICAL,FOAM,CARBON DIOXIDE  
Fire Fighting Procedures:NONE  
Unusual Fire/Explosion Hazard:NONE

## Accidental Release

Spill Release Procedures:SMALL SPILLS-FLUSH TO SANITARY SEWER WITH PLENTY OF WATER. LARGE SPILLS-VENTILATE THE AREA WELL. SOAK UP ON SOLID ABSORBENT AND SHOVEL INTO CONTAINERS FOR DISPOSAL.

## Handling

Handling and Storage Precautions:STORE BETWEEN 40 AND 120F.

## Exposure Controls

Respiratory Protection:NOT NORMALLY REQUIRED. USE NIOSH-MSHA APPROVED RESPIRATOR IF TLV IS EXCEEDED.  
Ventilation:MECHANICAL (GENERAL)  
Protective Gloves:BUTYL RUBBER IF SKIN CONTACT IS LIKELY.  
Eye Protection:GOGGLES OR SAFETY GLASSES WHEN HANDLING  
Other Protective Equipment:AS NECESSARY TO AVOID SKIN CONTACT.  
Work Hygienic Practices:AVOID BREATHING SPRAY MIST.  
Supplemental Safety and Health  
INGESTION MAY CAUSE PAIN OR DISCOMFORT IN THE MOUTH,THROAT AND STOMACH.



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## Chemical Properties

Boiling Pt:B.P. Text:212F  
Melt/Freeze Pt:M.P/F.P Text:APPROX 30F  
Vapor Pres:0.6@68F  
Vapor Density:4.0  
Spec Gravity:.986  
Evaporation Rate & Reference:1.0 WATER =1)  
Solubility in Water:SOLUBLE  
Appearance and Odor:YELLOW GREEN LIQUID,MILD CITRUS ODOR

## Stability

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZERS AND ACIDS.  
Stability Condition to Avoid:AVOID FREEZING  
Hazardous Decomposition Products:THERMAL DECOMPOSITION CAN PRODUCE  
CARBON MONOXIDE,CARBON DIOXIDE,NITROGEN OXIDE.

## Disposal

Waste Disposal Methods:DISPOSE OF ACCORDING TO FEDERAL,STATE AND LOCAL  
LAWS AND 40CFR.

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