

## **LIQUID CAUSTIC POTASH (BATTERY ELECTROLYTE)**

### **MSDS Number**

BSBDG

### **National Stock Number**

6140-01-981-5865

### **Product Name**

LIQUID CAUSTIC POTASH (BATTERY ELECTROLYTE)

### **Manufacturer**

GOULD INC BURGESS DIV (REPLACED BY BURGESS INC IL)

### **Product Identification**

Product ID:LIQUID CAUSTIC POTASH (BATTERY ELECTROLYTE)

MSDS Date:11/19/1993

FSC:6140

NIIN:01-981-5865

MSDS Number: BSBDG

### **Responsible Party**

GOULD INC BURGESS DIV (REPLACED BY BURGESS INC,IL)

ST. PAUL , MN

US

Emergency Phone: 800-424-3900

Info Phone: MFR OUT OF BUS,CALL DGSC-SSH

Preparer: HMIS-SSH 804-279-4371

Cage: 52431

### **Contractor**

GOULD INC BURGESS DIV (REPLACED BY BURGESS INC,IL)

ST. PAUL, MN

US

800-424-3900

Cage: 52431

### **Ingredients**

POTASSIUM HYDROXIDE (SARA III)

CAS: 1310-58-3

RTECS: TT2100000

Fraction By Weight: 40-48%

OSHA PELC, 2 MG/M3

ACGIH TLV: C 2 MG/M3; 9293

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

### **Hazards**

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 365 MG/KG.

Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:CORROSIVE TO ALL BODY TISSUES, WILL CAUSE CHEMICAL BURNS. CHRONIC: ULCERATION.

Explanation of Carcinogenicity:POTASSIUM HYDROXIDE IS NOT LISTED BY

IARC, NTP, OR OSHA AS A CARCINOGEN.  
Effects of Overexposure:EYE, SKIN AND GI TRACT IRRITATION AND BURNS.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED.

## First Aid

First Aid:EYES/SKIN: FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. DO NOT NEUTRALIZE. INHALATION: REMOVE TO FRESH AIR.  
INGESTION: GIVE LARGE QUANTITIES OF WATER, OR FRUIT JUICE. DO NOT INDUCE VOMITING! IN ALL CASES, SEEK MEDICAL ATTENTION! NOTHING BY MOUTH IF UNCONSCIOUS.

## Fire Fighting

Extinguishing Media:NON-FLAMMABLE. USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:HOT SOLUTION WILL REACT VIOLENTLY WITH WATER LIBERATING HEAT AND CAUSING SPLASHING.

## Accidental Release

Spill Release Procedures:ABSORB IN INERT MATERIAL OR TRANSFER TO CONTAINERS. NEUTRALIZE RESIDUE, FOLLOWED BY FLUSHING WITH LARGE QUANTITIES OF WATER.

Neutralizing Agent:DILUTE ACETIC ACID OR VINEGAR.

## Handling

Handling and Storage Precautions:STORE IN A COOL, DRY AREA. PROTECT CONTAINERS FROM PHYSICAL DAMAGE. WHEN HANDLING WEAR GLOVES AND GOGGLES.

Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID CONTACT WITH EYES AND SKIN. WHEN DILUTING CAUSTIC POTASH, ADD IT TO WATER WITH AGITATION TO AVOID SPLATTERING AND EXCESSIVE HEAT GENERATION.

## Exposure Controls

Respiratory Protection:NONE NORMALLY REQUIRED. ALWAYS USE NIOSH/MSHA APPROVED RESPIRATORS WHEN REQUIRED.

Ventilation:GENERAL (MECHANICAL) VENTILATION.

Protective Gloves:RUBBER, PVC OR NEOPRENE.

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

THIS MSDS IS FOR POTASSIUM HYDROXIDE USED AS ELECTROLYTE FOR ACTIVATING THE DRY CHARGED BATTERIES. FOR DRY CHARGED BATTERY SEE PART A, SAME NSN.

## Chemical Properties

HCC:B1

Boiling Pt:B.P. Text:271F,133C

Vapor Pres:39

Spec Gravity:1.45

pH:CAUSTIC

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR, COLORLESS LIQUID. PRACTICALLY ODORLESS.

## Stability

Stability Indicator/Materials to Avoid:YES

ALUMINUM, TIN, AND THEIR ALLOYS, ALL ACIDS, LEATHER AND WOOL.

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:NONE

## Disposal

Waste Disposal Methods: CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER.  
DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND  
LOCAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department  
of Defense. The United States of America in no manner whatsoever,  
expressly or implied, warrants this information to be accurate and  
disclaims all liability for its use. Any person utilizing this  
document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.