

CHEMTECH INDUSTRIES,INC. -- LIQUID CAUSTIC POTASH,PART A,(ONE OF FOUR ITEMS) --  
1420-00-627-2131

===== Product Identification =====

Product ID:LIQUID CAUSTIC POTASH,PART A,(ONE OF FOUR ITEMS)

MSDS Date:11/01/1983

FSC:1420

NIIN:00-627-2131

MSDS Number: BYXKD

=== Responsible Party ===

Company Name:CHEMTECH INDUSTRIES,INC.

Address:1655 BES PERES RD

Box:31000

City:SAINT LOUIS

State:MO

ZIP:63131

Count

ry:US

Info Phone Num:314-966-9900

Emergency Phone Num:314-966-9900

Preparer's Name:NONE

CAGE:56894

=== Contractor Identification ===

Company Name:CHEMTECH INDUSTRIES INC MANUFACTURED PRODUCTS DIV

Address:1655 DES PERES RD

Box:31000

City:ST. LOUIS

State:MO

ZIP:63131-1821

Country:US

Phone:314-966-9934

CAGE:56894

Company Name:EAGLE-PICHER INDUSTRIES, INC.

Address:C AND PORTER STS

Box:47

City:JOPLIN

State:MO

ZIP:64801

Country:US

Phone:417-623-8000

CAGE:81855

Company Name:HUGHES AIRCRAFT CO RADAR SYS

TEMS GROUP  
Address:BLDG C1 MS A142  
Box:92426  
City:LOS ANGELES  
State:CA  
ZIP:90009  
Country:US  
Phone:213-568-7200  
CAGE:82577

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===== Composition/Information on Ingredients =====

Ingred Name:POTASSIUM HYDROXIDE (CERCLA), (ESTIMATED KOH=7 OZ/BATTERY)  
CAS:1310-58-3  
RTECS #:TT2100000  
Fraction by Wt: 48%(VOL)  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:C 2 MG/M3  
ACGIH TLV:C 2 MG/M3; 9495  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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===== Hazards Identification =====  
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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: EYES: SEVERE BURNS. SKIN:  
SEVERE BURNS. INHALATION: DUST AND MISTS CORROSIVE TO RESPIRATORY  
SYSTEM. INGESTION: CORROSIVE TO MOUTH, THROAT, AND DIGESTIVE TRACT.  
CHRONIC: NONE SPECIFIED BY MANUFACTURER.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:EYES: IRRITATION, CHEMICAL BURNS. SKIN:  
IRRITATION, CHEMICAL BURNS. INHALATION: SEVERE IRRITATION.  
INGESTION. SEVERE IRRITATION AND CHEMICAL BURNS.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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===== First Aid Measures =====

First Aid:EYES/SKIN: FLUSH WITH LARGE AMOUNTS OF WATER. DO NOT  
NEUTRALIZE. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED  
CLOTHING. INHALATION: MOVE TO FRESH AIR. SUPPORT BREATHING AS  
NEEDED. GET MEDICAL

ATTENTION. INGESTION: GIVE LARGE QUANTITIES OF WATER, IF AVAILABLE, 1 PART VINEGAR TO 1 PART WATER OR FRUIT JUICE. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

===== Fire Fighting Measures =====

Flash Point:NON-FLAMMABLE

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

Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.

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

===== Accidental Release Measures =====

Spill Release Procedures:SHOVEL UP AND CONTAINERIZE MATERIAL, FOLLOWED BY FLUSHING WITH LARGE AMOUNTS OF WATER AND DILUTE ACID. AN APPLICATION OF SODIUM BICARBONATE WILL NEUTRALIZE FINAL TRACES OF CAUSTIC SODA.

Neutralizing Agent:SODIUM BICARBONATE.

===== Handling and Storage =====

Handling and Storage Precautions:DO NOT GET IN EYES, ON SKIN, OR ON

CLOTHING. AVOID BREATHING DUST OR MIST. DO NOT TAKE INTERNALLY.

Other Precautions:WHEN HANDLING, WEAR GOGGLES, FACE SHIELD, RUBBER GLOVES, APRON, AND PROTECTIVE CLOTHING. WHEN DILUTING CAUSTIC POTASH, ADD IT TO WATER WITH AGITATION TO AVOID SPLATTERING AND EXCESSIVE HEAT GENERATION .

===== Exposure Controls/Personal Protection =====

Respiratory Protection:WEAR NIOSH APPROVED RESPIRATOR FOR DUST AND MIST.

Ventilation:PROVIDE SUFFICIENT LOCAL EXHAUST TO MAINTAIN AIR

CONCENTRATION BELOW 2 MG/M3.

Protective Gloves:RUBBER, PVC, OR NEOPRENE RECOMMENDED.

Eye Protection:CHEMICAL SAFETY GOGGLES RECOMMENDED.

Other Protective Equipment:RUBBER BOOTS AND APRONS. PROVIDE EYE WASH STATION AND SAFETY SHOWER IN AREAS WHERE CAUSTIC SODA IS BEING HANDLED.

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

Supplemental Safety and Health

THIS ITEM IS NOT PART OF A KIT.

THIS ENTRY DESCRIBES ONE OF THE FOUR ITEMS THAT MAKE-UP THE "BATTERY,EXPLOSIVE" SPECIFIED IN NSN 1420-00-627-2131. SEE THIS SAME NSN, P/N IND'S C, D, AND E, FOR DATA ON THE OTHER THREE ITEMS. ESTIMATED CALCULATED HAZARDOUS MATERIAL (TOTAL FOR ALL FOUR ITEMS, P/N A,B,C,D)IN BATTERY=5 LBS.

===== Physical/Chemical Properties =====

HCC:B1  
Boiling Pt:=133.C, 271.4F  
Vapor Pres:39  
Spec Gravity:1.45  
pH:BASIC  
Solubility in Water:COMPLETE  
Appearance and Odor:  
PRACTICALLY ODORLESS.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
ALUMINUM, TIN, LEAD, ZINC, AND THEIR ALLOYS. ALL ACIDS, LEATHER, AND WOOL.  
Stability Condition to Avoid:NONE.  
Hazardous Decomposition Products:NONE.  
Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS REGARDING HEALTH AND POLLUTION.

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