

EAGLE-PICHER INDUSTRIES INC -- LIQUID CAUSTIC POTASH -- 6140-00-889-1027

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

Product ID:LIQUID CAUSTIC POTASH

MSDS Date:11/01/1983

FSC:6140

NIIN:00-889-1027

MSDS Number: BJZFN

=== Responsible Party ===

Company Name:EAGLE-PICHER INDUSTRIES INC

Address:C AND PORTER STREETS

Box:47

City:JOPLIN

State:MO

ZIP:64801

Country:US

Emergency Phone Num:417-776-2256

CAGE:0B3X4

=== Contractor Identification ===

Company Name:CHEMTECH INDUSTRIES I

NC 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

Address:BETHEL RD

Box:130

City:SENECA

State:MO

ZIP:64865

Country:US

Phone:417-776-2256

CAGE:9H651

Company Name:EAGLE-PICHER INDUSTRIES INC

Address:14212 BETHEL ROAD

Box:130

City:SENECA

State:MO

ZIP:64865

Country:US

Phone:417-776-2256

CAGE:0B3X4

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

In

Product Name: POTASSIUM HYDROXIDE (SARA III)  
CAS: 1310-58-3  
RTECS #: TT2100000  
Fraction by Wt: 48%  
Other REC Limits: NONE SPECIFIED  
OSHA PEL: C, 2 MG/M3  
ACGIH TLV: C 2 MG/M3; 9192  
EPA Rpt Qty: 1000 LBS  
DOT Rpt Qty: 1000 LBS

===== Hazards Identification =====

LD50 LC50 Mixture: LD50 (ORAL RAT) IS 365 MG/KG. (KOH)  
Routes of Entry: Inhalation: NO Skin: YES Ingestion: YES  
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO  
Health Hazards Acute and Chronic: ACUTE: HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN. MATERIAL IS EXTREMELY DESTRUCTIVE TO TISSUE OF THE MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT, EYES AND SKIN. INHALATION MAY BE FATAL AS A RESULT OF SPASM, INFLAMMATION AND EDEMA OF THE LARYNX AND BRONCHI, CHEMICAL PNEUMONITIS AND PULMONARY EDEMA.  
Explanation of Carcinogenicity: POTASSIUM HYDROXIDE IS NOT LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.  
Effects of Overexposure: MAY INCLUDE BURNING SENSATION, COUGHING, WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA AND VOMITING.  
Medical Conditions Aggravated by Exposure: PERSONS WITH A HISTORY OF AILMENTS OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, OR RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid: INHALATION: REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING. GET IMMEDIATE MEDICAL ATTENTION. EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET IMMEDIATE MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GIVE MILK OR WATER IF VICTIM IS CONSCIOUS. GET IMMEDIATE MEDICAL ATTENTION.

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

Extinguishing Media: USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL AS APPROPRIATE FOR SURROUNDINGS.  
Fire Fighting Procedures: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT

TECTIVE EQUIPMENT AND A

FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS. HOT OR MOLTEN MATERIAL WILL REACT VIOLENTLY WITH WATER LIBERATING HEAT.

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

Spill Release Procedures:COVER SPILL WITH SOLID NEUTRALIZER OR ABSORBER. PUT NEUTRALIZED MATERIAL IN LINED DISPOSAL CONTAINER.

FLUSH RESIDUE WITH WATER. USE SODIUM BICARBONATE TO NEUTRALIZE FINAL TRACES OF CAUSTIC.

Neutralizing Agent:DILUTE ACETIC ACID (VINEGAR)

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

Handling and Storage Precautions:STORE IN A COOL, DRY AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID CONTACT WITH EYES AND SKIN. WASH THOROUGHLY AFTER HANDLING. FOR USE AS AN ELECTROLYTE IN ALKALINE BATTERIES ONLY.

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

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

Ventilation:USE VENTILATION SUFFICIENT TO MAINTAIN AIR CONCENTRATION BELOW 2 MG/M3

Protective Gloves:NATURAL RUBBER

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

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES.

THIS MSDS APPLIES TO MATERIAL IN SOLUTION. SOLID MATERIAL IS AN INHALATION HAZARD IN THE FORM OF DUST AND REQUIRES MECHANICAL VENTILATION AND USE OF NIOSH/MSHA APPROVED RESPI

RATOR.

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

HCC:B1

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

Vapor Pres:39MM @140F

Spec Gravity:1.45

pH:>13

Solubility in Water:COMPLETE

Appearance and Odor:ODORLESS LIQUID

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

Stability Indicator/Materials to Avoid:YES

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

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decompositi

on Products:NONE

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

Waste Disposal Methods:FOR SMALL QUANTITIES: CAUTIOUSLY ADD TO A LARGE STIRRED EXCESS OF WATER. ADJUST THE PH TO NEUTRAL, SEPARATE OUT SOLIDS AND PACKAGE FOR DISPOSAL. DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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