

POLYSCIENCES INC -- CAUSTIC POTASH LIQUID -- 6810-00-850-7787

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Product Identification
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Product ID:CAUSTIC POTASH LIQUID

MSDS Date:01/01/1987

FSC:6810

NIIN:00-850-7787

MSDS Number: BFSPZ

=== Responsible Party ===

Company Name:POLYSCIENCES INC

Address:400 VALLEY ROAD

City:WARRINGTON

State:PA

ZIP:18976

Country:US

Info Phone Num:215-343-6484

Emergency Phone Num:215-343-6484

CAGE:9C365

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Contractor Identification ===

Company Name:POLYSCIENCES INC

Address:400 VALLEY RD

Box:City:WARRINGTON

State:PA

ZIP:18976

Country:US

Phone:215-343-6484

CAGE:32939

Company Name:POLYSCIENCES INC

Address:PAUL VALLEY INDUSTRIAL PARK

City:WARRINGTON

State:PA

ZIP:18976

Country:US

Phone:215-313-6484

CAGE:9C365

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Composition/Information on Ingredients
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Ingred Name:POTASSIUM HYDROXIDE (SARA III)

CAS:1310-58-3

RTECS #:TT2100000

Fraction by Wt: 30%

Other REC Limits:NONE SPECIFIE

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OSHA PEL:C, 2 MG/M3
ACGIH TLV:C 2 MG/M3; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 70%
Other REC Limits:NONE SPECIFIED

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Explanation of Carcinogenicity:THIS MATERIAL IS NOT LISTED AS A
CARCINOGEN BY NTP, IARC, OSHA
Effects of Overexposure:SERIOUS CHEMICAL BURNS TO EYES AND SKIN.
POTASSIUM HYDROX
IDE WILL SAPONIFY NATURAL OILS AND FAT IN SKIN
(FIRST INDICATION IS SLICK FEELING ON SKIN)

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

First Aid:INHAL:RMV TO FRESH AIR. IF NOT BRTHNG GIVE CPR; IF BRTHNG
DIFF GIVE OXYGEN. EYE:IMMED FLUSH W/PLENTY OF WATER. SKIN: WASH
W/SOAP & WATER. RMV CONTAM CLTHG & SHOES. INGEST:DO NOT INDUCE
VOMIT. NOTHG BY MOUTH IF UNCONSC. GET MEDICAL ATTN.

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

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sh Point:NONE
Autoignition Temp:Autoignition Temp Text:NONE
Extinguishing Media:SUITABLE FOR SURROUNDING FIRE
Fire Fighting Procedures:WEAR SCBA & FULL PROTECT EQUIPMENT.
Unusual Fire/Explosion Hazard:CORROSIVE TO HUMAS ISSUE. REACTS
VIOLENTLY W/MANY ORGANICS, ESP NITROCARBS & CHLOROCARBONS,&ZN,AL,SN

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

Spill Release Procedures:WEAR PROTECT CLTHNG & EQUIPTMT. CONTAIN SPILL.
DO NOT DRAIN TO SEWER. RECOVER W/VACUUM EQUIPMT/

NEUTRALIZE W/WEAK

ACID SOL'N & FLUSH W/WATER. AVOID SPLASH/MISTING.

Neutralizing Agent:DILUTE ACID SOLUTIONS (VINEGAR) OR SODIUM BICARBONATE

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Handling and Storage
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Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENT AREA.
PROTECT PKG FM DAMAGE. DO NOT ADD WATER TO CAUSTIC. KEEP CONTAINERS CLOSED WHEN NOT IN USE.

Other Precautions:DO NOT USE LEATHER OR WOOL GLOVES. WEAR RUBBER BOOTS OVER LEATHER SHOES WHEN IN CONTACT WITH SOLUTION OR ANY CLEAN-UP.

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Exposure Controls/Personal Protection
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Respiratory Protection:FOR MISTING/HEAVY VAPOR,NIOSH,MSHA MIST APPR RESP.

Ventilation:MECHANICAL (GEN)

Protective Gloves:USE RUBBER,LATEX, OR PLASTIC GLOVES.

Eye Protection:GOGGLES/FACE SHIELD

Other Protective Equipment:RUBBER BOOTS & APRON. HARDHAT

Supplemental Safety and Health

THE MSDS SUBMITTED IS FOR A 45% KOH SOLUTION. THE ACTUAL PHYSICAL PROPERTIES WILL BE SLIGHTLY DIFFERENT. THE HEALTH AND SAFETY DATA

FOR A CORROSIVE SOLUTION WILL BE APPROPRIATE FOR THE ACTUAL 30% SOLUTION.

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Physical/Chemical Properties
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HCC:B1

Boiling Pt:=132.2C, 270.F

Vapor Pres:2

Spec Gravity:1.45

Solubility in Water:COMPLETE

Appearance and Odor:COLORLESS, VISCOUS LIQUID. NO ODOR.

Percent Volatiles by Volume:55

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES

ACIDS,AL,SN,ZN,ORGANICS,NITROCARB

ONS,HALOCARBONS

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:HYDROGEN GAS

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

Waste Disposal Methods:DISPOSE I/A/W FEDERAL, STATE & LOCAL REGULATIONS. NEUTRALIZE WASTE IN COMPOST OF SALT & WATER.

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