

HACH CO. -- POTASSIUM HYDROXIDE SOLUTION,8 N,282-32 -- 6810-01-070-1847

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Product Identification
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Product ID:POTASSIUM HYDROXIDE SOLUTION,8 N,282-32

MSDS Date:08/01/1998

FSC:6810

NIIN:01-070-1847

MSDS Number: BGKJX

=== Responsible Party ===

Company Name:HACH CO.

Address:100 DAYTON RD.

Box:907

City:AMES

State:IA

ZIP:50010-6402

Country:US

Info Phone Num:800-227-4224

Emergency Phone Num:800

-227-4224/303-623-5716;POISONCNT

Resp. Party Other MSDS Num.:CATALOG NUMBER 282

CAGE:4T252

=== Contractor Identification ===

Company Name:COUSINS ENTERPRISES (614-291-2000)

Box:UNKNOW

CAGE:06NU2

Company Name:HACH CO

Address:5600 LINDBERGH DR

Box:389

City:LOVELAND

State:CO

ZIP:80539

Country:US

Phone:970-669-3050/ 303-623-5716

CAGE:91224

Company Name:HACH COMPANY

Address:100 DAYTON RD.

Box:907

City:AMES

State:IA

ZIP:50010

Country:US

Phone:800-227-4224

CAGE:4T252

Company Name:KAMPI COMPONENTS CO.,

INC.
Address:210 RT 13
Box:721
City:BRISTOL
State:PA
ZIP:19007-3517
Country:US
Phone:215-736-2000
Contract Num:SP0450-99-M-NG07
CAGE:7Z016

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Composition/Information on Ingredients
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Ingred Name:POTASSIUM HYDROXIDE (CERCLA)
CAS:1310-58-3
RTECS #:TT2100000
Minumum % Wt:40.
Maxumum % Wt:50.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:C 2 MG/M3
ACGIH TLV:C 2 MG/M3; 9596
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Minumum % W
t:50.
Maxumum % Wt:60.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:NOT RELEVANT
ACGIH TLV:NOT RELEVANT

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Hazards Identification
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LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS: NONE KNOWN. ACUTE-
CORROSIVE TO ALL BODY TISSUES. INHALATION OF MIST MAY CAUSE SEVERE
RESPIRATORY TRACT IRRITATION,

LUNG DAMAGE, AND CAN CAUSE DEATH. CAN CAUSE SEVERE EYES AND SKIN BURNS. IF INGESTED, SEVERE MOUTH, THROAT, ESOPHAGUS, STOMACH BURNS, CAN CAUSE DEATH. CHRONIC- NONE REPORTED.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:SEVERE BURNS, POSSIBLY BLINDNESS, SEVERE IRRITATION, PAIN, SNEEZING, COUGHING, ABDOMINAL PAIN, VOMITING.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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

First Aid:GET IMMEDIATE MEDICAL HELP FOR ALL CASES OF EXPOSURE. EYES/SKIN:IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS OPEN. INHALED:MOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NECESSARY. ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS,DRINK 1-2 GLASSES OF WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW KNEES.

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

Flash Point:NONE

Lower Limits:NOT RELEVANT

Upper Limits:NOT RELEVANT

Extinguishing Media:USE WATER. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:MAY REACT WITH AMPHOTERIC METALS (SUCH AS ALUMINUM, ZINC, TIN) GENERATING HYDROGEN GAS WHICH WILL BURN OR EXPLODE IF IGNITED. MAY FORM CORROSIVE FUMES.

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

Spill Release Procedures:VENTILATE AREA. WEAR PROTECTIVE EQUIPMENTS. COVER SPILL WITH DRY ACID, SUCH AS CITRIC OR BORIC ACID. ADD WATER AND NEUTRALIZE TO PH OF 6-9. FLUSH NEUTRALIZED SOLUTION TO DRAIN WITH EXCESS WATER. DECONTAMINATE THE AREA WITH A WEAK ACID SOLUTION.

Neutralizing Agent:CITRIC OR BOR

IC ACID

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

Handling and Storage Precautions:STORE IN CLOSED CONTAINER AWAY FROM INCOMPATIBLES. ADD PRODUCT TO WATER WITH ADEQUATE AGITATION TO PREVENT BOILING. KEEP OUT OF REACH OF CHILDREN.

Other Precautions:DO NOT GET IN EYES OR ON SKIN. DO NOT BREATHE MISTS. DO NOT TAKE INTERNALLY. WASH THOROUGHLY AFTER HANDLING. USE WITH ADEQUATE VENTILATION. CAUTION! CARBON MONOXIDE GAS CAN FORM UPON CONTACT WITH FOOD AND BEVERAGES AND MAY CAUSE DEATH.

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

Respiratory Protection:NOT NORMALLY REQUIRED. USE NIOSH-APPROVED RESPIRATORS WHERE DUST, MIST OR SPRAY MAY BE GENERATED.

Ventilation:NONE REQUIRED UNDER NORMAL USE. USE LOCAL EXHAUST VENTILATION WHERE MIST/DUST/SPRAY MAY BE GENERATED.

Protective Gloves:NATURAL OR BUTYL RUBBER

Eye Protection:CHEMICAL SAFETY GOGGLES WITH FACE SHIELD

Other Protective Equipment:RUBBER APRON, RUBBER BOOTS, E

YE WASH STATION
AND SAFETY SHOWER

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING, DRINKING/SMOKING.

Supplemental Safety and Health

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

HCC:B1

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:>212F,>100C

Spec Gravity:1.5

pH:14

Solubility in Water:MISCIBLE

Appearance and Odor:CLEAR, COLORLESS LIQUID - IRRITATING ODOR

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Stab
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ility and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

ACIDS, METALS, ORGANIC PEROXIDES, EXPLOSIVES, EASILY OXIDIZABLE MATERIALS

Stability Condition to Avoid: EXTREME TEMPERATURES

Hazardous Decomposition Products: POTASSIUM OXIDE

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

Waste Disposal Methods: WASTE DISPOSAL TO BE PERFORMED IN COMPLIANCE WITH CURRENT LOCAL, STATE AND FEDERAL REGULATIONS. SMALL QUANTITIES MAY BE DILUTED WITH

WATER AND NEUTRALIZED WITH ACID. THE

NEUTRALIZED SOLUTION MAY BE FLUSHED DOWN THE DRAIN IF PERMITTED.

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