

HACH COMPANY -- SODIUM HYDROXIDE SOLUTION, 5.0 N -- 6810-01-240-6563

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Product Identification
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Product ID:SODIUM HYDROXIDE SOLUTION, 5.0 N

MSDS Date:11/18/1993

FSC:6810

NIIN:01-240-6563

Status Code:A

MSDS Number: CKHWJ

=== Responsible Party ===

Company Name:HACH COMPANY

Box:389

City:LOVELAND

State:CO

ZIP:80539

Country:US

Info Phone Num:970-669-3050

Emergency Phone Num:303-623-5716

Resp.

Party Other MSDS Num.:M00438

CAGE:91224

=== Contractor Identification ===

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

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Composition/Information on Ingredients
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Ingred Name:SODIUM HYDROXIDE

CAS:1310-73-2

RTECS #:WB4900000

Minumum % Wt:10.

Maxumum % Wt:20.

OSHA PEL:2 MG/M3

ACGIH STEL:C2 MG/M3

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:WATER OR DEMINERALIZED WA

TER
CAS:7732-18-5
RTECS #:ZC0110000
Minumum % Wt:80.
Maxumum % Wt:90.

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

LD50 LC50 Mixture:NONE PROVIDED BY MFR.
Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE CONTACT: CAUSES SEVERE BURNS. SKIN CONTACT: CAUSES SEVERE BURNS. MAY CAUSE SCARRING. SKIN ABSORPTION: NONE REPORTED. INGESTION: CAUSES SEVERE BURNS. INHALATION: CAUSES SEVERE BURNS, MAY CAUSE PNEU MONITIS. CHRONIC: CHRONIC OVEREXPOSURE MAY CAUSE DESTRUCTION OF ANY TISSUE CONTACTED.
Explanation of Carcinogenicity:THIS PRODUCT DOES NOT CONTAIN ANY OSHA, IARC OR NTP LISTED CHEMICALS. ADDITIONAL CANCER/REPRODUCTIVE TOXICITY INFORMATION: NONE RESPOR TED.
Effects of Overexposure:EYE CONTACT: CAUSES SEVERE BURNS. SKIN CONTACT: CAUSES SEVERE BURNS. MAY CAUSE SCARRING. SKIN ABSORPTION: NONE REPORTED. INGESTION: CAUSES SEVERE BURNS. INHALATION: CAUSES SEVERE BURNS, MAY CAUSE PNEU MONITIS. CHRONIC: CHRONIC OVEREXPOSURE MAY CAUSE DESTRUCTION OF ANY TISSUE CONTACTED.
Medical Cond Aggravated by Exposure:PRE-EXISTING EYE CONDITIONS, RESPIRATORY CONDITIONS, SKIN CONDITIONS.

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

First Aid:EYE: IMMEDIATELY FLUSH EYES WITH WATER FOR 15 MINUTES. CALL PHYSICIAN. SKIN: WASH SKIN WITH PLENTY OF WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING. CALL PHYSICIAN IMMEDIATELY.
INGESTION. DO NOT INDUCE VOMITING. GIVE 1 TO 2 GLASSES OF WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL PHYSICIAN IMMEDIATELY. INHALATION: REMOVE TO FRESH AIR.

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

Extinguishing Media:USE MEDIA APPROPRIATE TO SURROUNDING FIRE CONDITIONS.
Fire Fighting Procedures:AS IN ANY FIRE, WEAR SELF CONTAINED BREATHING APPARATUS PRESSURE-DEMAND & FULL PROTECTIVE GEAR. EVACUATE AREA & FIG

HT FIRE FROM A SAFE DISTANCE.

Unusual Fire/Explosion Hazard:THIS PRODUCT WILL NOT BURN OR EXPLODE.

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

Spill Release Procedures:ABSORB SPILLED LIQUID WITH NON-REACTIVE SORBENT MATERIAL. STOP SPILLED MATERIAL FROM BEING RELEASED TO THE ENVIRONMENT.DIKE SPILL TO CONTAIN MATERIAL FOR LATER DISPOSAL. COVER MATERIAL WITH DRY ACID (CITRIC OR BORIC). SCOOP UP SLURRY INTO LARGE BEAKED.DILUTE WITH LARGE EXCESS OF WATER.ADJ

UST PH TO

BETWEEN 6-9 WITH SULFURIC OR CITRIC ACID. FLUSH REACTED MATERIAL DOWN DRAIN.

Neutralizing Agent:CITRIC OR BORIC; SULFURIC OR CITRIC ACID.

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

Handling and Storage Precautions:AVOID CONTACT WITH EYES, SKIN, CLOTHING. DO NOT BREATH MIST OR VAPORS. WASH THOROUGHLY AFTER HANDLING. USE WITH ADEQUATE VENTILATION. MAINTAIN GENERAL INDUSTRIAL HYGIENE PRACTICES WHEN USING THIS PROD UCT. KEEP CONTAINER TIGH

TLY CLOSED WHEN NOT IN USE. STORE IN A COOL, DRY PLACE.

Other Precautions:KEEP AWAY FROM ACIDS, ACID FUMES, HEAT.

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

Respiratory Protection:NO DATA PROVIDED BY RESPONSIBLE PARTY.

Ventilation:USE GENERAL VENTILATION TO MINIMIZE EXPOSURE TO MIST, VAPOR OR DUST.

Protective Gloves:DISPOSABLE LATEX GLOVES

Eye Protection:SAFETY GLASSES WITH TOP & SIDE SHIELDS

Other Protective Equipment:EYEWASH STATION AND SAFETY SHOWER NEARBY. LAB COAT.

Work Hygienic Practices:AVOID CONTACT WITH: EYES, SKIN, CLOTHING. DO NOT BREATHE: MIST/VAPOR. WASH THOROUGHLY AFTER HANDLING. USE WITH ADEQUATE VENTILATION. KEEP AWAY FROM ACID/ACID FUMES.

Supplemental Safety and Health

NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

HCC:B1

Boiling Pt:=100.C, 212.F

Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Pres:NOT DETERMINED

Vapor Density:N/D

Spec Gravity:1.181 (WATER=1)

pH:14

Evaporation Rate & Reference:0.59 (WATER=1)
Solubility in Water:MISCIBLE
Appearance and Odor:CLEAR, COLORLESS, LIQUID, NO ODOR.

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

Stability Indicator/Materials to Avoid:YES
INCOMPATIBLE WITH: ACIDS.
Stability Condition to Avoid:STABLE WHEN STORED UNDER PROPER
CONDITIONS. AVOID EXTREME CONDITIONS.
Hazardous Decomposition Products:NO HAZARDOUS DECOMPOSITION PRODUCTS
KNOWN. THIS PRODUCT WILL NOT BURN.
Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information:PRODUCT TOXICOLOGICAL DATA: LD50: NONE
REPORTED. LC50: NONE REPORTED. DERMAL TOXICITY: NONE REPORTED. SKIN
AND EYE IRRITATION DATA: NONE REPORTED. MUTATION DATA: NONE
REPORTED. REPRODUCTIVE EFFECTS DATA: NONE REPORTED. INGREDIENT
TOXICOLOGICAL DATA: SODIUM HYDROXIDE: ORAL RAT LD50 LO: ~50 SEVERAL
SKIN AND EYE IRRITATION TEST RESULTS REPORTED IN RTECS.

===== Ecological Information =====

Ecological:PRODUCT ECOLOGICAL INFORMATION: NO SPECIFIC INFORMATION
AVAILABLE FOR THE INGREDIENTS OF THIS PRODUCT.

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

Waste Disposal Methods:EPA WASTE ID #: D002. WORK IN AN APPROVED FUME
HOOD. DILUTE TO 3 TO 5 TIMES THE VOLUME WITH COLD WATER. ADJUST TO
A PH BETWEEN 6 & 9 WITH AN ACID. OPEN COLD WATER TAP COMPLETELY,
SLOWLY POUR THE REACTED MATERIAL TO THE DRAIN. ALLOW COLD WATER TO
RUN 5 MINUTES. TO FLUSH SYSTEM.

===== MSDS Transport Information =====

Transport Information:US DOT PROPER SHIPPING NAME: SODIUM HYDROXIDE
SOLUTION. DOT HAZARD CLASS: 8. DOT SUBSIDIARY RISK: N/A. DOT ID
NUMBER: UN1824. DOT PACKING GROUP: II. ICAO: PROPER SHIPPING NAME:
SODIUM HYDROXIDE SOLUTION. ICAO SUBSIDIARY RISK: N/A. IMO PROPER
SHIPPING NAME: : SODIUM HYDROXIDE SOLUTION. IMO HAZARD CLASS; 8.

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===== Regulatory Information =====

SARA Title III Information:SARA SECTION 311/312 CATAGORIZTION (40 CFR 370): IMMEDIATE (ACUTE) HEALTH HAZARD. SECTION 313 (40 CFR 372): THODUCT DOES NOT CONTAIN ANY CHEMICAL SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION III OF THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF SARA. 302 (EHS) TPQ (40 CFR 355): NOT APPLICABLE.

Federal Regulatory Information:OSHA: THIS PRODUCT MEETS THE CRITERIA FOR A HAZARDOUS SUBSTANCE AS DEFINED IN THE HAZARD COMMUNICATION STANDARD (20 CFR 19101.1200). 304 CERCLA RQ (40 CFR 302.4): SODIUM HYDROXIDE 1000 LBS. 304 RQ (40 CFR 355): NOT APPLICABLE. CLEAN WATER ACT (CWA) (40 CFR 116.4): SODIUM HYDROXIDE - RQ = 1000 LBS (454 KG). RCRA : CONTAINS RCRA REGULATED SUBSTANCES (SEE WASTE DISPOSAL FOR WASTE ID NUMBER. C.P.S.C.:

THE LABEL FOR THIS PRODUT BEARS THE SIGNAL WORD "POISON" BECAUSE THE CONCENTRATION OF SODIUM HYDROX IDE IS GREATER THAN/EQUAL TO 10%.ALL INGREDIENTS IN THIS PRODUCT ARE LISTED ON THE TSCA 8(B) INVENTORY (40 CFR 710).

State Regulatory Information:CALIFORNIA PROPOSITION 65: NO CALIFORNIA PROPOSITION 65 LISTED CHEMICALS ARE PRESENT IN THIS PRODUCT.

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===== Other Information =====

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