

FISHER SCIENTIFIC CO, CHEMICAL MANUFACTURING DIV -- SODIUM HYDROXIDE, DRY --
6810-00-174-6585

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

Product ID: SODIUM HYDROXIDE, DRY

MSDS Date: 12/01/1988

FSC: 6810

NIIN: 00-174-6585

MSDS Number: BMDMQ

=== Responsible Party ===

Company Name: FISHER SCIENTIFIC CO, CHEMICAL MANUFACTURING DIV

Address: 1 REAGENT LANE

City: FAIR LAWN

State: NJ

ZIP: 07410-2802

Country: US

Info Phone N

um: 201-796-7100 OR 201-796-7523

Emergency Phone Num: 201-796-7100 (800-429-9300 CHEMTREC)

CAGE: 1B464

=== Contractor Identification ===

Company Name: FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address: 1 REAGENT LANE

Box: City: FAIRLAWN

State: NJ

ZIP: 07410-2802

Country: US

Phone: 201-796-7100

CAGE: 1B464

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

Ingred Name: SODIUM HYDROXIDE (SARA III)

CAS: 1310-73-2

RTECS #: WB4900000

Fraction by Wt: 100%

Other REC Limits: NONE SPECIFIED

OSHA PEL: 2

MG/M3
ACGIH TLV:C 2 MG/M3; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYES: CORROSIVE, IRRITATION, BURNS,
BLINDNESS. SKIN: CORROSIVE, IRRITATION, BURNS, SCARRING.
INHALATION: SEVERE IRRITANT. EFFECTS VARY FROM IRRITATION TO
SERIOUS DAMAGE OF UPPER RESPIRATORY TRACT. SEV
ERE PNEUMONITIS MAY
OCCUR. INGESTION: CORROSIVE. BURNS MOUTH, THROAT, STOMACH. SEVERE
SCAR AND DESTRUCTION OF TISSUE.
Explanation of Carcinogenicity:THIS PRODUCT IS NOT LISTED BY NTP, IARC,
NOR OSHA AS A CARCINOGEN.
Effects of Overexposure:EYES: SEVERE BURNS WITH DAMAGE TO THE EYES AND
EVEN BLINDNESS. SKIN: SEVERE BURNES. INHALATION: DAMAGE TO THE
UPPER RESPIRATORY TRACT AND THE LUNG TISSUE. INGESTION: SEVERE
BURNES AND COMPLETE TISSUE PERFORATION OF MUCOUS MEMBRANES OF T
HE
MOUTH, THROAT, ESOPHAGUS, AND STOMACH.
Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF SKIN AND
RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:EYES: FLUSH WITH WATER AND NORMAL SALINE. GET MEDICAL
ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AREA WITH SOAP
AND WATER. GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR.
IF BREATHING STOPPED GIVE CPR;IF DI
FFICULT GIVE OXYGEN. GET
MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING.GIVE LARGE
AMOUNTS OF WATER OR MILK AND THEN DILUTE VINEGAR OR CITRUS JUICE.
GET MEDICAL ATTENTION.

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

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, HALON, WATER SPRAY,
OR STANDARD FOAM.FOR LARGE FIRE USE WATER SPRAY, FOG OR STANDARD
FOAM.
Fire Fighting Procedures:MOVE CONTAINERS FROM FIRE AREA IF POSSIBLE.
COOL CONTAINERS E

XPOSED TO FLAMES WITH WATER.USE FLOODING

QUANTITIES OF WATER AS FOG.APPLY WATER FROM SAFE DISTANCE.

Unusual Fire/Explosion Hazard:NEGLIGIBLE FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME.

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

Spill Release Procedures:DO NOT TOUCH SPILLED MATERIAL. SHOVEL MATERIAL INTO CLEAN DRY CONTAINER AND COVER FOR LATER DISPOSAL. MOVE CONTAINERS FROM SPILL AREA. FOR LARGE SPILLS, DIKE AHEAD OF SPILL FOR LATER DISPOSAL. ISOLATE HAZARD AREA AND DENY ENTRY TO UNNECESSARY PEOPLE.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:PROTECT FROM PHYSICAL DAMAGE. STORE IN A DRY AREA. SEPARATE FROM ACIDS, METALS, EXPLOSIVES, ORGANIC PEROXIDES AND EASILY IGNITABLE MATERIALS.

Other Precautions:STORE AWAY FROM INCOMPATIBLE SUBSTANCES. MAY BURN BUT DOES NOT IGNITE READILY. FLAMMABLE, POISONOUS GASSES MAY ACCUMULATE IN TANKS AND HOPPER CARS. MAY IGNITE COMBUSTIBLES (WOOD, PAPER, OIL, ETC.).

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR. SELECT UNIT BASED ON CONTAMINATION LEVELS FOUND IN THE WORKPLACE. FROM AIR-PURIFYING UNIT WITH A DUST AND MIST FILTER. TO A SUPPLIED-AIR UNIT WITH A FULL FACEPIECE AND OPERATED IN PRESSURE-DEMAND MODE.

Ventilation:PROVIDE LOCAL EXHAUST OR PROCESS ENCLOSURE VENTILATION TO

MEET PUBLISHED EXPOSURE LIMITS.

Protective Gloves:WEAR PVC OR NATURAL RUBBER GLOVES.

Eye Protection:SPLASH-PROOF GOGGLES AND A FACESHIELD.

Other Protective Equipment:CONTACT LENS SHOULD NOT BE WORN. WEAR PROTECTIVE CLOTHING AND EQUIPMENT TO PREVENT SKIN CONTACT.

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

Supplemental Safety and Health

HAVE EYE WASH STATION AND SAFETY SHOWER AVAILABLE IN THE IMMEDIATE

WORK
AREA.

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

HCC:B1

Boiling Pt:B.P. Text:2534F,1390C

Melt/Freeze Pt:M.P/F.P Text:604F,318C

Vapor Pres:100 @2032F

Spec Gravity:2.130

pH:14

Solubility in Water:COMPLETE

Appearance and Odor:WHITE OR OFF-WHITE HYGROSCOPIC SOLID. ODORLESS.

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH WATER, ACIDS, METALS, STRONG OXIDERS, COMBUSTABLE
MATERI

ALS, ORGANIC MATERIALS, ZINC AND ALUMINUM.

Stability Condition to Avoid:REACTS EXOTHERMICALLY WITH WATER. CAN PICK
UP MOISTURE FROM AIR AND REACT WITH CO2 IN AIR TO FORM SODIUM
CARBONATE.

Hazardous Decomposition Products:THERMAL DECOMPOSITION MAY RELEASE
TOXIC FUMES OF SODIUM OXIDE. MAY GENERATE HYDROGEN GAS ON CONTACT
WITH METALS.

Conditions to Avoid Polymerization:HAZARDOUS POLYMERIZATION HAS NOT
BEEN REPORTED TO OCCUR UNDER NORMAL TEMPERATURES AND PRESSURES.

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

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER.
DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL
REGULATIONS.

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