

FISHER SCIENTIFIC CO CHEMICAL MFG DIV -- SODA LIME CAT#:S195500 -- 6810-00-174-5165

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Product Identification
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Product ID:SODA LIME CAT#:S195500

MSDS Date:09/06/1989

FSC:6810

NIIN:00-174-5165

MSDS Number: BWPRJ

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC CO CHEMICAL MFG DIV

Address:1 REAGENT LN

City:FAIR LAWN

State:NJ

ZIP:07410-2802

Country:US

Info Phone Num:201-796-7100/800-

766-7000 X3725

Emergency Phone Num:201-796-7100/800-424-9300(CHEMTREC)

CAGE:2G230

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO CHEMICAL MFG DIV

Address:1 REAGENT LN

Box:City:FAIR LAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100/800-766-7000 X3725

CAGE:2G230

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

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Composition/Information on Ingredi

ents =====

Ingred Name:CALCIUM OXIDE

CAS:1305-78-8

RTECS #:EW3100000

Fraction by Wt: 62-91%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 MG/M3

ACGIH TLV:2 MG/M3; 9394

Ingred Name:SODIUM HYDROXIDE (SARA III)

CAS:1310-73-2

RTECS #:WB4900000

Fraction by Wt: 5-20%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:2 MG/M3

ACGIH TLV:C 2 MG/M3; 9394

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 6-18%

Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:CALCIUM

OXIDE:CORR-INHAL,SKIN,EYE,INGEST,MUC MEMBRANE.PULM EDEMA IN SEVERE
CASES.BRONCHITIS.SKIN ULCERATION,BURNS,FATAL IF MASSIVE EXPO.EYE
EDEMA,HYPEREMIA,CONJ,BLURRED VISION.SODIUM HYDROXIDE:TOXIC BY
INGEST,MODERATELY TOXIC BY DERMAL ABSORPTION.PNEUMONITIS DEPENDING

ON EXPO.PULM EDEMA.SHOCK.SKIN DAMAGE,(SUPPLEMENTAL)

Explanation of Carcinogenicity:PER MSDS:NOT CARCINOGENIC.

Effects of Overexposure:SORE

THROAT,COUGH,DYSPNEA,BRONCHITIS,PNEUITIS,PPULM EDEMA,PEFORATION OF
NASAL SEPTUM,BRONCHIAL/GI DISTURBANCES.IRRIT,DESTRUCTION OF MUC
MEMB.SKIN PAIN,REDNESS,BURNS,ULCERATION,DERM,FISSURING/BRITTLNE SS
OF NAILS,VESICULAR RASH.SEVERE BURNSW/DEEP SKIN ULCERATIONS.LOSS OF
HAIR,BLINDNESS,CORN OPACITIES.VOMIT,COMA,DEATH.

Medical Cond Aggravated

by Exposure: PERSONS W/CHRONIC RESPIRATORY DISEASE OR SKIN DISEASE. TARGET ORGANS: DO DATA AVAILABLE.

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

First Aid: INHAL: REMOVE TO FRESH AIR IMMED. STOP BREATH GIVE ART RESP/GIVE OXY. SKIN: REMOVE CONTAMIN CLTOHG/SHOES IMMED. WASH SKIN W/SOAP/MILD DETERGENT/LG AMTS OF WATER @LEAST 15-20MINS. CHEM BURNS COVER W/STERILE DRY DRESSING. EYE: WASH IMMED W/LG AMTS OF WATER OPENING EYELIDS @LEAST 15-20MINS. CONT W/NORMAL SALIN E TIL PH=NORMAL(30-60MINS). COVER W/STERILE BANDAGES. INGEST: GIVE MILK/WATER. IN ALL CASES GET MED ATTN.

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

Extinguishing Media: DRY CHEMICAL, CARBON DIOXIDE, HALON, WATER SPRAY OR STANDARD FOAM. DO NOT USE WATER ON MATL ITSELF.

Fire Fighting Procedures: MOVE CNTNR FRM FIRE W/O RISK. USE WATER IN FLOODING AMTS AS FOG. FLAME EXPO CNTNR W/WATER. STAY AWAY FROM STORAGE TK ENDS. AVOID BREATH POISONOUS VAP-KEEP UPWIND.

Unusual Fire/Explosion Hazard: NEGLIG FIRE HAZ WHEN EXPO TO HEAT/FLAME. CONTACT W/WATER MAY GENERATE ENOUGH HEAT TO IGN COMBUST MATLS. MAY BURN-DOES NOT IGN READILY. FLAM/POI GAS ACCUM IN TK/CAR

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

Spill Release Procedures: DO NOT TOUCH SPILL. STOP LEAK W/O RISK. TAKE UP W/SAND/OTHER ABSORBENT MATL. PLACE INTO CNTNR FOR DISPOSAL. DRY SPILLS SHOVEL INTO CLEAN DRY CNTNR. DIKE LG SPILLS. KEEP UNNECESSARY PEOPLE AWAY. ISOLATE HAZ

AR D AREA & DENY ENTRY.

Neutralizing Agent: ACID.

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

Handling and Storage Precautions: STORE AWAY FROM INCOMPATIBLE SUBSTANCES. OBSERVE ALL FED/STATE/LOC REGS WHEN STORING OF SUBSTANCE. FOR ASSISTANCE CONTACT DISTRICT DIR OF EPA.

Other Precautions: NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection: RESP RECOMMENDED & SELECTED BASED ON CONTAMIN LEVELS

IN WORKAREA/DOES NOT EXCEED WORKING LIMIT OF RESP/JOINTLY APPROVED BY NIOSH/MSHA.

Ventilation:PROVIDE LOCAL EXHAUST OR PROCESS ENCLOSURE VENTILATION TO MEET PUBLISHED EXPOSURE LIMITS.

Protective Gloves:PVC

Eye Protection:SPLASH-PROOF/DUST-RESIST SAF GOGG/FACESH

Other Protective Equipment:APPROPRIATE PROT IMPERV CLOTH/EQPMT TO PREVENT SKIN CONTACT.EYEWASH FOUNTAIN/QUICK DRENCH SHOWER IN IMMED WORKAREA.

Work Hygienic Practices:WASH HANDS AFTER HANDLING.LAUNDER CONTAMIN CLOTHIN

G PRIOR TO REUSE.

Supplemental Safety and Health

HEALTH HAZ:CUTANEOUS BURNS.FISSURES/WHITE ESCHARS,EDEMA TO TOATL DESTRUCTION OF EPIDERMIS,ULCERATIONS,DERM.DISINTEGRATIO/SLOUGHING OF CONJ/CORNEAL EPITHELIUM.EYE BURNS,BLINDNESS.CORR OF LIPS/MOUTH/TONGUE/PHARYNX,SEVER ESOPHAGEAL,ABD PAIN,VOMIT OF BLOOD,SLOW PULSE,CARDIOVASUCLAR COLLAPSE,SHOCK,COMA,DEATH.

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Physical/Chemical Properties
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HCC:B1

pH:BASIC

Solubility in Water:REACTS W/WATER.

Appearance

and Odor:HYGROSCOPIC WHITE OR GRAYISH WHITE GRANULES.

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

ACIDS, ALUMINUM, AMMONIUM SALTS, HYDROGEN SULFIDE, TIN, ZINC.

Stability Condition to Avoid:RXS EXO W/WATER PRODUCING ALKALINE CORR SOLNS.MATL STRONG BASE.MAY IGNITE COMBUSTIBLES.

Hazardous Decomposition Products:MAY RELEASE ACRID SMOKE & IRRIT FUMES & TOXIC FUMES OF SODIUM OXIDE,WHICH CAN REACT W/WATER/STEAM.

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Disposal Considerations
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Waste Disposal Methods:RQ=1000LBS CERCLA SEC 103,SUBJECT TO SARA SEC 313.OBSERVE ALL FED/STATE/LOC REGS WHEN DISPOSING OF SUBSTANCE.FOR ASSISTANCE CONTACT DISTRICT DIR OF EPA.

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