

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

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

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(CHEM
TREC)

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

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

Ingred Name:CALCIUM OXIDE

CAS:1305-78-8

RTEC

S #: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 =====
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:CALCUM
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/BRITTLENE 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 DIS

EASE. 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 OFWATER
OPENING EYELIDS @LEAST 15-20MINS.CONT W/NORMAL SALINE TIL
PH=NORMAL(30-60MINS).COVER W/STERILE BANDAGES.INGEST:GI
VE
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/F
LAME.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 HAZAR 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
AP

PROVED 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 CLOTHING PRIOR TO REUSE.
Supplemental Safety and Health
HEALTH HAZ:CUTANEOUS BURNS.FISSURES/WHITE ESCHARS,EDEMA TO TOTAL DESTRUCTION OF EPIDERMIS,ULCERATIONS,DERM.DISINTEGRATION/SLOUGHING OF CONJ/CORNEAL EPITHELIUM.EYE BURNS,BLINDNESS.CORROSION OF LIPS/MOUTH/TONGUE/PHARYNX,SEVERE ESOPHAGEAL,ABD PAIN,VOMIT OF BLOOD,SLOW PULSE,CARDIOVASCULAR COLLAPSE,SHOCK,COMA,DEATH.

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

HCC:B1
pH:BASIC
Solubility in Water:REACTS W/WATER.
Appearance and Odor:HYGROSCOPIC WHITE OR GRAYISH WHITE GRANULES.

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

Stability Indicator/Materials to Avoid:YES
ACIDS, ALUMINUM, AMMONIUM SALTS, HYDROGEN SULFIDE, TIN, ZINC.
Stability Condition to Avoid:RXS EXO W/WATER PRODUCING ALKALINE CORROSIVE SOLNS.MATERIAL STRONG BASE.MAY IGNITE COMBUSTIBLES.
Hazardous Decomposition Products:MAY RELEASE ACRID SMOKE & IRRITANT FUMES & TOXIC FUMES OF SODIUM OXIDE,WHICH CAN REACT W/WATER/STEAM.

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

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

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