

ALDRICH CHEMICAL CO INC./SUB OF SIGMA-ALDRICH CORP -- 30781-5 SODIUM METASILICATE --
6810-01-446-6836

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

Product ID:30781-5 SODIUM METASILICATE

MSDS Date:12/14/1995

FSC:6810

NIIN:01-446-6836

MSDS Number: CFLJM

=== Responsible Party ===

Company Name:ALDRICH CHEMICAL CO INC./SUB OF SIGMA-ALDRICH CORP

Address:1001 W. ST. PAUL AVE

Box:355

City:MILWAUKEE

State:WI

ZIP:53

201

Country:US

Info Phone Num:414-273-3850/FAX -4979

Emergency Phone Num:414-273-3850

CAGE:60928

=== Contractor Identification ===

Company Name:ALDRICH CHEMICAL CO INC

Address:1001 WEST ST PAUL AVE

Box:355

City:MILWAUKEE

State:WI

ZIP:53233

Country:US

Phone:414-273-3850

CAGE:60928

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

Ingred Name:SODIUM METASILICATE

CAS:6834-92-0

RTECS #:VV9275000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

===== Hazar

ds Identification =====

LD50 LC50 Mixture:ORAL, RAT LD50:1153MG/KG

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

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

Health Hazards Acute and Chronic:HAMRFUL IF INHAL/INGEST.MATL EXTREMELY DESTRUCTIVE TO TISSUE OF MUC MEMBRANES & UPPER RESPIRATORY TRACT.INHAL MAY BE FATAL AS RESULT OF SPASM,INFLAMM & EDEMA OF LARYNX & BRONCHI,CHEM NEUMONITIS & PULM EDEMA.TO BEST OF OUR KNOWLEDGE THE CHEM/PHYS/TOXICOLOG

ICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

Effects of Overexposure:SYMPTOMS OF EXPOSURE MAY INCLUDE BURNING SENSATION,COUGHING,WHEEZING,LARYNGITIS,SHORTNESS OF BREATH,HEADACHE,NAUSEA,VOMITING.

Medical Cond Aggravated by Exposure:NONE SPEC BY MFG.TARGET ORGANS:LUNGS,THORAX,RESPIRATION,GI KIDNEY,URETER,BLADDER,PATERNAL EFFECTS.

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

First Aid:IN CASE OF CONTACT IMMED FLUSH EYE OR SKIN W/COPIOUS AMTS OF

WATER FOR @LEAST 15MINS WHILE REMOVING CONTAM CLOTH/SHOES.ASSURE ADEQUATE FLUSHING OF EYES BY SEPARATING EYELIDS W/FINGERS.IF INHAL REMOVE TO FRESH AIR.IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION.IF BREATHING IS DIFFICULT GIVE OXYGEN.IF INGEST WASH OUT MOUTH W/H2O PROVIDED PERSON IS CONSC.CALL PHYSICIAN.

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

Flash Point:NON-COMBUSTIBLE

Lower Limits:NP

Upper Limits:NP

Extinguishing Media:USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE CONDITIONS.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS & PROTECTIVE CLOTHING TO PREVENT CONTACT W/SKIN/EYES.

Unusual Fire/Explosion Hazard:EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

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

Spill Release Procedures:EVACUATE AREA.WEAR SELF-CONTAINED BREATHING APPARATUS,RUBBER BOOTS & HEAVY RUBBER GLOVES.ABSORB ON SAND/VERMICULITE & PLACE IN CLOSED CONTAINERS FOR

DISPOSAL. VENTILATE AREA & WASH SPILL SITE AFT MATL PIKCUP COMPLET
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

=====
Handling and Storage
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Handling and Storage Precautions: KEEP TIGHTLY CLOSED. HYGROSCOPIC. STORE
IN COOL DRY PLACE.

Other Precautions: KEEP AWAY FROM FOOD, DRINK, ANIMAL FEEDING STUFFS. AVOID
SKIN/EYE CONTACT. CORROSIVE. CAUSES BURNS. IRRIT TO RESP TRACT.

=====
Exposure Controls/Personal Protection
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Respirator

Respiratory Protection: WEAR APPROPRIATE NIOSH/MSHA APPROVED RESPIRATOR.

Ventilation: USE ONLY IN CHEMICAL FUME HOOD.

Protective Gloves: CHEM RESISTANT GLOVES

Eye Protection: SAFETY GOGGLES; FACESHIELD (8-INCHES MIN)

Other Protective Equipment: OTHER PROTECTIVE CLOTHING. SAF SHOWER & EYE
BATH.

Work Hygienic Practices: WASH CONTAM CLOTH BEF REUSE; DISCARD CONTAM
SHOES. DONT GET IN EYE/SKIN/CLOTH. AVOID PROL/REP EXPO. WASH
THOROUGHLY AFT HNDL

Supplemental Safety and Health

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Physical/Chemical Properties
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HCC: B1

Boiling Pt: B.P. Text: NP

Melt/Freeze Pt: M.P/F.P Text: NP

Decomp Temp: Decomp Text: NP

Vapor Pres: NP

Vapor Density: NP

Spec Gravity: NP

pH: NP

Evaporation Rate & Reference: NP

Solubility in Water: NP

Appearance and Odor: WHITE GRANULAR POWDER

Percent Volatiles by Volume: NP

Corrosion Rate: NP

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Stability and Reactivity Data
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HALOGENS, STRONG ACIDS.

Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Decompos

ition Products:NATURE OF DECOMPOSITION PRODUCTS NOT
KNOWN.

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

Waste Disposal Methods:OBSERVE ALL LOCAL, STATE AND FEDERAL ENVIRO
REGULATIONS.BURY IN LANDFILL SITE APPROVED FOR DISPOSAL OF CHEMICAL
& HAZ WASTES.

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