

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:532

01

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

===== Hazard

s 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/TOXICOLOGI

CAL 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 FEEDINGSTUFFS.AVOID  
SKIN/EYE CONTACT.CORROSIVE.CAUSES BURNS.IRRIT TO RESP TRACT.

=====  
Exposure Controls/Personal Protection  
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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

=====  
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

=====  
Stability and Reactivity Data  
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HALOGENS,STRONG ACIDS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposi

tion 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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