

LOS ANGELES CHEMICAL CO -- SODIUM FLUORIDE

MSDS Safety Information

FSC: 6810  
NIIN: 00-059-9069  
MSDS Date: 03/01/1996  
MSDS Num: BLHFQ  
Product ID: SODIUM FLUORIDE  
MFN: 01  
Responsible Party  
Cage: 75656  
Name: LOS ANGELES CHEMICAL CO  
Address: 4545 ARDINE STREET  
Box: 1987  
City: SOUTH GATE CA 90280-2534  
Info Phone Number: 213-773-7923/FL 904-241-1200  
Emer  
gency Phone Number: 213-664-2121/800-424-9300  
Preparer's Name: J. M. COATES  
Review Ind: Y  
Published: Y

Preparer Co. when other than Responsible Party Co.

Cage: 75656  
Name: LOS ANGELES CHEMICAL CO  
Address: 4545 ARDINE ST  
Box: 1987  
City: SOUTH GATE CA 90280

Contractor Summary

Cage: 75656  
Name: LOS ANGELES CHEMICAL CO  
Address: 4545 ARDINE ST  
Box: 1987  
City: SOUTH GATE CA 90280  
Phone: 213-562-9500

Item Description Information

Item Manager: S9G  
Item Name: SODIUM FLUORIDE, TECHNICAL  
Specification Number: 06768-AWWA B-701  
Type/Grade/Class: NONE  
Unit of Issue: BG  
Quantitative Expression: 00000000100LB  
UI Container Qty: 0  
Type of Container: UN 5M2 BAG

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## Ingredients

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Cas: 7681-49-4

RTECS #: WB0350000

Name: SODIUM FLUORIDE (CERCLA)

% Wt: 97.70

Other REC Limits: NONE SPECIFIED

OSHA PEL: 2.5 PPM (F)

ACGIH TLV: 2.5 MG (F)/M3; 9596

EPA Rpt Qty: 1000 LBS

DOT Rpt Qty: 1000 LBS

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## Health Hazards Data

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LD50 LC50 Mixture: LD50 (ORAL RAT) IS 180 MG/K

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Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: NO

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: ACUTE:INHALATION OF DUST OR MIST MAY CAUSE SEVERE MUCOUS MEMBRANE IRRITATION & BURNS. EFFECTS MAY NOT BE IMMEDIATELY APPARENT, ESPECIALLY WITH DILUTE SOLUTIONS. CHRONIC:CAUSES SEVERE SKIN IRRITATION & BURNS. INGESTION/INHALATION MAY BE HARMFUL & POSSIBLY FATAL. MAY BE ABSORBED THROUGH SKIN & CAUSE FLUOROSIS.

Explanation Of Carcinogenicity:

NO INGREDIENT OF A CONCENTRATION OF 0.1% OR

GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Signs And Symptoms Of Overexposure: MUCOUS MEMBRANE IRRITATION/BURNS, SEVERE SKIN IRRITATION/BURNS, MAY PRODUCE SIGNS OF FLUOROSIS SUCH AS WEIGHT LOSS, BRITTLENESS OF BONES, ANEMIA, WEAKNESS AND STIFFNESS OF JOINTS. INTERNAL BLEEDING MAY DEVELOP.

Medical Cond Aggravated By Exposure: ANY SKIN, RESPIRATORY OR MUCOUS MEMBRANE CONDITION

First Aid: GET MEDICAL CARE.INHALATION:REMOVE TO

FRESH AIR.GIVE CPR IF

NEEDED.KEEP PERSON WARM AND AT REST.EYES:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES HOLDING EYELIDS OPEN.CONTACT AN EYE SPECIALIST IMMEDIATELY.SKIN:WASH WITH SOAP/MILD DETERGENT & WATER.INGESTION:DO NOT INDUCE VOMITING.IF CONSCIOUS,DRINK SEVERAL GLASSES OF WATER OR MILK.NOTE TO PHYSICIAN:EXPOSED PERSON SHOULD BE OBSERVED FOR 48-72 HOURS.

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## Handling and Disposal

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Spill Release Procedures: WEAR NIOSH APPROVED PROTECTIVE CLOTHING AND BREATHING APPARATUS. ISOLATE SPILL AREA. CAREFULLY SHOVEL MATERIAL AND PLACE IN CLEAN DRY CONTAINER AND COVER. AVOID RAISING DUST.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: DISPOSAL SHOULD BE SUBJECT TO ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

Handling And Storage Precautions: STORAGE-STORE IN A COOL DRY PLACE,AWAY FROM ACIDS.USE ONLY WITH ADEQUATE VENTILATION,DUST MASK/SELF-CONTAINED BREATHING APPARATUS.

Other Precautions: DO NOT RAISE DUST. KEEP CONTAINER CLOSED. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID BREATHING DUST OR MIST. PROTECTIVE CLOTHING SHOULD ALWAYS BE WORN. IN FIRE, IT WILL DECOMPOSE, RELEASING HIGHLY TOXIC HYDROGEN FLUORIDE GAS.

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#### Fire and Explosion Hazard Information

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Flash Point Text: NOT COMBUSTIBLE

Extinguishing Media: USE CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures: ALTHOUGH THIS CHEMICAL IS NON-FLAMMABLE, WHEN HEATED TO TEMPERATURES SUCH AS A FIRE, IT WILL RELEASE HYDROGEN FLUORIDE GAS.

Unusual Fire/Explosion Hazard: FIREFIGHTERS SHOULD AVOID ALL BODILY CONTACT. WEAR FULL PROTECTIVE CLOTHING AND SCBA.

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#### Control Measures

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Respiratory Protection: IF ENGINEER

ING CONTROLS FAIL OR NON-ROUTINE USE OR AN

EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR OR AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 1910.134.

Ventilation: USE ADEQUATE MECHANICAL VENTILATION OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves: IMPERVIOUS GLOVES-PVC, NEOPRENE.

Eye Protection: CHEMICAL SPLASH GOGGLES, FACESHIELD.

Other Protective Equipment: EYE WASH STATION,SAFETY SHOWER, IMPERVIOUS CLOTHING (COVERALL, BOOTS, ETC.)

#### Work

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

Supplemental Safety and Health: MSDS PRESENTED BY CAGE 75656 FOR CONTRACT NUMBER SP0400-97-T8934.

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#### Physical/Chemical Properties

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HCC: T4

B.P. Text: 3099F,1704C

M.P/F.P Text: 1796F,980C

Decomp Text: UNKNOWN

Vapor Pres: <0.01@200C

Spec Gravity: 2.726

Vis

cosity: UNKNOWN  
Solubility in Water: MODERATE  
Appearance and Odor: WHITE, CRYSTALLINE POWDER; NO ODOR.  
Corrosion Rate: UNKNOWN

Reactivity Data

Stability Indicator: YES  
Stability Condition To Avoid: EXTREME TEMPERATURES SUCH AS FIRE. AVOID CONTACT WITH INCOMPATIBLE MATERIALS.  
Materials To Avoid: STRONG ACIDS.  
Hazardous Decomposition Products: NITROGEN OXIDES, HYDROFLUORIC ACIDS AND

FLUORINE.  
Hazardous Polymerization Indicator: NO  
Conditions To Avoid Polymerization: WILL NOT OCCUR.

Toxicological Information

Ecological Information

MSDS Transport Information

Regulatory Information

Other Information

Transportation Information

Responsible Party Cage: 75656  
Trans ID NO: 45227  
Product ID: SODIUM FLUORIDE

MSDS Prepared Date: 03/01/1996  
Review Date: 04/17/1997  
MFN: 1  
Net Unit Weight: 100.0 LBS  
Multiple KIT Number: 0  
Review IND: Y  
Unit Of Issue: BG  
Container QTY: 0  
Type Of Container: UN 5M2 BAG  
Additional Data: PSN IS PER MFR MSDS. REPORTABLE QUANTITY IS 1000 LBS PER MSDS.

Detail DOT Information

DOT PSN Code: NFI  
DOT Proper Shipping Name: SODIUM FLUORIDE  
Hazard Class: 6.1  
UN ID Num: UN1

690  
DOT Packaging Group: III  
Label: KEEP AWAY FROM FOOD  
Special Provision: T8  
Packaging Exception: 153  
Non Bulk Pack: 213  
Bulk Pack: 240  
Max Qty Pass: 100 KG  
Max Qty Cargo: 200 KG  
Vessel Stow Req: A  
Water/Ship/Other Req: 26

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Detail IMO Information

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IMO PSN Code: NRR  
IMO Proper Shipping Name: SODIUM FLUORIDE, SOLID  
IMDG Page Number: 6258  
UN Number: 1690  
UN Hazard Class: 6.1  
IMO Packaging  
Group: III  
Subsidiary Risk Label: -  
EMS Number: 6.1-04  
MED First Aid Guide NUM: 750

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Detail IATA Information

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IATA PSN Code: WQB  
IATA UN ID Num: 1690  
IATA Proper Shipping Name: SODIUM FLUORIDE  
IATA UN Class: 6.1  
IATA Label: TOXIC  
UN Packing Group: III  
Packing Note Passenger: 619  
Max Quant Pass: 100KG  
Max Quant Cargo: 200KG  
Packaging Note Cargo: 619

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Detail AFI Information

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AFI PSN Code: WQB  
AFI Proper Shipping Name: SODIUM FLUORIDE  
AFI Hazard Class: 6.1  
AFI UN ID NUM: UN1690  
AFI Packing Group: III  
Special Provisions: P5  
Back Pack Reference: A10.6

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HAZCOM Label

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Product ID: SODIUM FLUORIDE  
Cage: 75656  
Company Name: LOS ANGELES CHEMICAL CO  
Street: 4545 ARDINE

ST  
PO Box: 1987  
City: SOUTH GATE CA  
Zipcode: 90280  
Health Emergency Phone: 213-664-2121/800-424-9300  
Label Required IND: Y  
Date Of Label Review: 04/17/1997  
Status Code: C  
Label Date: 04/17/1997  
Year Procured: 1997  
Origination Code: F  
Eye Protection IND: YES  
Skin Protection IND: YES  
Signal Word: DANGER  
Respiratory Protection IND: YES  
Health Hazard: Severe  
Contact Hazard: Severe  
Fire Hazard: None  
Reactivity Hazard: None

Hazard And Precautions: ACUTE:INHALATION OF DUST OR MIST MAY CAUSE SEVERE  
MU  
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ABSORBED THROUGH SKIN & CAUSE FLUOROSIS. FIRST AID:GET MEDICAL  
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AT REST.EYES:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES,LIFT LIDS.CONTA CT  
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TO PHYSICIAN:EXPOSED PERSON SHOULD BE OBSERVED FOR 48-72 HOURS.TARGET  
ORGANS:LUNGS,SKIN,EYES.

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