LCI (LUCIER CHEMICAL INDUSTRIE -- SODIUM FLUORIDE

MSDS Safety Information

FSC: 6810
NIIN: 00-059-9069
MSDS Date: 02/01/1993
MSDS Num: CDFYY
Product ID: SODIUM FLUORIDE
MFN: 01
Responsible Party
Cage: 0K1E4
Name: LCI (LUCIER CHEMICAL INDUSTRIES) LTD
City: JACKSONVILLE BEACH FL 3224 0-9000
Info Phone Number: 904-241-1200
Emergency Phone Number: 904-241-1200
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: 0000000100LB
UI Container Qty: 0
Type of Container: UN 5M2 BAG
In
gredients
Cas: 7681-49-4
RTECS #: WB0350000
Name: SODIUM FLUORIDE (CERCLA)
Percent by Wt: 97.7
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 2.5 PPM (F)
ACGIH TLV: 2.5 MG (F/)M3; 9596
EPA Rpt Qty: 1000 LBS DOT Rpt Qty: 1000 LBS
Health Hazards Data

LD50 LC50 Mixture: LD50 (ORAL, RAT) 180 MG/KG Route Of Entry Inds - Inhalation: YES Skin: YES Ingestion: YES Carcinogenicity Inds - NTP: NO IARC: NO OSHA: NO Effects of Exposure: ACUTE: INHALATION OFDUSTORMIST MAY CAUSE SEVEREMUCOUSMEMBRANEIRRITATION & amp; BURNS. EFFECTS MAY BOT BE IMMEDIATELY APPARENT, ESPECIALLY WITH DILUTE SOLUTION, FIRST AID PROCEDURES SHOULD BE FOLLOWED EVEN IN CASES OF SUSPECTED CONTACT. CHRONIC:CAUSES SEVERE SKIN IRRITATION. INGESTION OR INHALATION MAY BE HARMFUL & amp; POSSIBLY FATALDEPENDING ON SEVERITY & amp; LENGTH OF OVEREXPOSURE.MAY CAUSE FLUOROSIS. Explanation Of Carcinogenicity: NONE Signs And Symptions Of Overexposure: PRODUCT MAY BE ABSORBED THROUGH THE SKIN AND PRODUCE SIGNS OF FLUOROSIS, SUCH AS WEIGHT LOSS, BRITTLENESS OF BONES, ANEMIA, WEAKNESSANDSTIFFNESS OFJOINTS. INTERNAL BLEEDING MAY DEVELOP. Medical Cond Aggravated By Exposure: ANY SKIN, RESPIRATORY ORMUCOUS MEMBRANE CONDITIONS. First Aid: INHALATION-REMOVE THE EXPOSED PERSON TO FRESH AIR AT ONCE. IF BREATHING HAS STOPPED, PERFORM ARTIFICIAL RESPIRATION.KEEP P ERSON WARM & amp; AT REST. GET MEDICAL AID AS SOON AS POSSIBLE. EYE-IMMEDIATELY FLU SH EYES WITH LARGE AMOUNTS OF WATER. GETMEDICAL AID AS SOON AS POSSIBLE (EYE SPECIALIST). SKIN-PROMPTLY WASH SKIN USING SOAP & amp; MILD DETERGENT & amp; WATER. IF SOAKS THROUGH CLOTHING, REMOVE PROMPTLY & amp; WASH SKIN USING SOAP OR MILD DETERGENT & amp; WATER. GIVE MEDICALAIDAS SOON AS POSSIBLE FOR ALL BURNS. INGESTION-HAVE THE PERSON DRINK AS MUCH WATER AS POSSIBLE. DO NOT INDUCE VOMITING, GIVE SEVER AL GLASSES OF MILK. CONTACT PHYSICIAN IMMEDIATELY. _____

Handling and Disposal

Spill Release Procedures: EMPLOYEES SHOULD BE TRAINED IN SAFETY PROCEDURES FOR HANDLING THIS PRODUCT. WEAR NIOSH APPROVED PROTECTIVE CLOTHING & amp; BREATHING APPARATUS. ISOLATE PRODUCT SPILL AREA. CAREFULLY SHOVEL MATERIAL & amp; PLACE IN CLEAN DRY CONTAINER & amp; COVER. REMOVECONTAINER FROM SPILL SITE

& DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE & LOCAL REGULATIONS. CHEMTREC CAN BE CONTACTED FOR 24-HOUR EMERGENCY ASSISTANCE.

Waste Disposal Methods: USED OR UNUSED PRODUCT SHOULDBE TESTED TO DETERMINE HAZARD STATUS AND COMPLY WITH FEDERAL, STATE AND LOCAL DISPOSAL OR DISCHARGE LAWS. REPORTABLE QUANTITY (RQ): 1000 POUNDS.

Handling And Storage Precautions: STORE IN A COOL, DRY, PLACE AWAY FROM ACIDS. USE ONLY WITH ADEQUATE VENTILATION, DUST MASK OR SELF-CONTAINED BREATHING APP ARATUS. PROTECTIVE CLOTHING SHOULD ALWAYS BE WORN. AVOID CONTACT WITH EYES, SK IN & amp; CLOTHING. KEEPING BAG OR CONTAINERCLOSED WHEN NOT IN USE. AVOID BREATHING DUST OR MIST. Other Precautions: IF CHEMICAL SHOULD BECOME HEATED, AS IN A FIRE, IT WILL DECOMPOSES, RELEASING HIGHLY TOXIC HYDROGEN FLUORIDE GAS. _____ Fire and Explosion Hazard Information _____ Extinguishing Media: THIS CHEMICAL IS NOT FLAMMABLE, BUT FOR FIRES IN AREA WHERE THIS CHEMICAL IS STORED, FOAM, DRY CHEMICALS OR CO2 MAY BE USED. Fire Fighting Procedures: ALTHOUGH THIS CHEMICAL IS NOT FLAMMABLE, WHEN FLAMMABLE, WHEN HEATED TO EXTREME TEMPERATURES SUCH AS FIRE, IT WILL RELEASE HYDROGEN FLOURIDE GAS. Unusual Fire/Explosion Hazard: FIREFIGHTERS SHOULD AVOID ALL BODILY CONTACT, WEAR FULL PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING APPARATUS. _____ Contr ol Measures Respiratory Protection: USE NIOSH APPROVED SINGLE USE DUST RESPIRATOR. SELF CONTAINED BREATHING APPARATUS MAY BE REQUIRED WHEN DEALING WITH SPILLS OR WHEN HEATED TO DECOMPOSITION. Ventilation: ADEQUATE VENTILATION TO MAINTAIN FLUORIDE CONCENTRATIONS BELOW APPLICABLE STANDARDS. Protective Gloves: IMPERVIOUS GLOVES SHOULD BE WORN. Eye Protection: SPLASH- PROOF GOGGLES SHOULD BE WORN Other Protective Equipment: IMPERVIOUS CL OTHING SHOULD BE WORN TO PREVENT REPEATED OR PROLONGED SKIN CONTACT (OVERALLS, BOOTS, ETC). PROTECT OPEN WOUNDS. HEATING TO DECOMPOSITION REQUIRES FULL BODY PROTECTIVE CLOTHING.

Physical/Chemical Properties

HCC: T4 NRC/State LIC No: NOT RELEVANT Boiling Point: =1704.C, 3099.2F M.P/F.P Text: 980-1040C Decomp Text: UNKNOWN Spec Gravity: 2.726 18C Viscosity: NOT RELEVANT Solubility

in Water: 4G/100G H20 0C Appearance and Odor: WHITE CRYSTALLINE POWDER - ODORLESS
Reactivity Data
Stability Indicator: YES Stability Condition To Avoid: EXTREME HEAT Materials To Avoid: CONTACT WITH STRONG ACIDS; WILL PRODUCE HYDROGEN FLOURIDE. AVOID EXTREME TEMPERATURES, SUCH AS FIRES. THEY WILL CAUSE DECOMPOSITION AND FORMULATION OF NITROGEN OXIDES, HYDROFLUORIC ACID AND FLUO RINE. Hazardous Decomposition Products: EXTREME TEMPERATURES, SUCH AS FIRES, WILL CAUSE DECOMPOSITION AND FORMULATION OF NITROGEN OXIDES AND FLUORINE. Hazardous Polymerization Indicator: NO
Toxicological Information
Toxicological Information: OSHA PERMISSIBLE EXPOSURE LIMIT(PEL): TWA 2.5 MG/M3 (AS F).
Ecological Information
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Transport Information: HAZARD CLASS: 6.1. PLACARDING REQUIREMENTS: KEEP AWAYFROM FOOD. EPA HAZARDOUS SUBSTANCE: YES. REPORTABLE QUANTITY: 1000LBS. DOT PROPER SHIPPING NAME: SODIUM FLUORIDE,SOLID. UN/NA IDENTIFICATION: UN 1690. STANDARD TRANSPORTATION COMMODITYCODE: 49441 50.
Regulatory Information
Sara Title III Information: NO Federal Regulatory Information: CERCLA: YES. TSCA: YES. State Regulatory Information: NEW JERSEY "RIGHT TO KNOW" LAWS: YES. MASSACHUSETTES " RIGHT TO KNOW" LAWS: YES.

Other Information

===== Transportation Information

_____ Responsible Party Cage: 0K1E4 Trans ID NO: 45219 Product ID: SODIUM FLUORIDE MSDS Prepared Date: 02/01/1993 Review Date: 03/19/1999 **MFN: 1** Radioactivity: NOT RELEVANT Net Unit Weight: 100 LBS Multiple KIT Number: 0 **Review IND: Y** Unit Of Issue: BG Container QTY: 0 Type Of Container: UN 5M2 BAG Additional Data: DOT PROPER SHIPPING NAME, UN ID NUMBER, HAZARD CLASS PER MSDS. _____ _____ **Detail DOT Information** _____ DOT PSN Code: NFI DOT Proper Shipping Name: SODIUM FLUORIDE Hazard Class: 6.1 UN ID Num: UN1690 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 Reg: 26 _____ Detail IMO Information ==== _____ 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 Detail IATA Information _____ IATA PSN Code: WQB IATA UN ID Num: 1690 IATA Proper Shipping Name: SODIUM FLUORIDE IAT

A 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 _____ Detail AFI Information _____ 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 _____ _____ HAZCOM Label _____ Product ID: SODIUM FLUORIDE Cage: 0K1E4 Company Name: LUCIER CHEMICAL INDUSTRY DBA LCI LTD Street: 415 PABLO AVE N PO Box: 49000 City: JACKSONVILLE BEACH FL Zipcode: 32240-9000 Health Emergency Phone: 904-241-1200 Label Required IND: Y Date Of Label Review: 09/28/1999 Status Code: C MFG Label NO: UNKNOWN Label Date: 02/24/1997 Year Procured: 1997 Origination Code: F Chronic Hazard IND: Y Eye Protection IND: YES Skin Protection IND: YES Signal Word: WARNING **Respiratory Protection IND: YES** Health Hazard: Moderate Contact Hazard: Moderate Fire Hazard: None Reactivity Hazard: None Hazard And Precautions: TARGET ORGANS: EYE, SKIN, RESPIRATORY & amp; GI TRACTS. ACUTE- TOXIC. MAY CAUSE EYE BURNS. MAY BE ABOSRBED THROUGH SKIN. INGESTION MAY BE FATAL. INHALATION MAY CAUSE SEVERE IRRITATION OF MUCOUS MEMBRANES & BURNS. CHRONIC- CAUSES FLUOROSIS, INTERNAL BLEEDING, ANEMIA. STORE AWAY FROM ACID

S. SWEEP UP SPILL & amp; PLACE IN A SUITABLE CONTAINER FOR DISPOSAL. FIRST AID- GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALE D:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN:WASH WITH SOAP & amp; WATER. ORAL:IF CONSCIOUS, DRINK MILK (CALCIUM) OR LARGE AMOUNT OF WA TER. GET MEDICAL ATTENTION IMMEDIATELY.

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