

SODIUM NITRATE

MSDS Number

CKFYL

National Stock Number

6810-00-174-1823

Product Name

SODIUM NITRATE

Manufacturer

SPECTRUM CHEMICAL MFG CORP

Product Identification

Product ID:SODIUM NITRATE

MSDS Date:06/23/1999

FSC:6810

NIIN:00-174-1823

Status Code:A

MSDS Number: CKFYL

Responsible Party

SPECTRUM CHEMICAL MFG. CORP.

14422 S SAN PEDRO ST

GARDENA , CA 90248-2027

US

Emergency Phone: 800-424-9300

Info Phone: 310-516-8000

Preparer: G.A. BINAS

Cage: 63415

Contractor

SPECTRUM LABORATORY PRODUCTS INC

GARDENA, CA 90248-2027

US

310-516-9843

Cage: 63415

Ingredients

SODIUM NITRATE

CAS: 7631-99-4

RTECS: WC5600000

Hazards

LD50 LC50 Mixture:ORAL LD50(RAT): 1267 MG/KG

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

Health Hazards Acute and Chronic:ACUTE-VERY HAZARDOUS IN CASE OF SKIN CONTACT(IRRIANT), OF EYE CONTACT(IRRIANT), OF INGESTION.

HAZARDOUS IN CASE OF INHALATION. SLIGHTLY HAZARDOUS IN CASE OF SKIN CONTACT(CORROSIVE, PERMEATOR). PROLONGED EXPOSURE MAY RESULT IN SKIN BURNS AND ULCERATIONS. OVER-EXPOSURE BY INHALATION MAY CAUSE RESPIRATORY IRRITATION. INFLAMMATION OF THE EYE IS CHARACTERIZED BY REDNESS, WATERING, AND ITCHING. SKIN INFLAMMATION IS CHARACTERIZED BY ITCHING, SCALING, REDDENING, OR OCCASIONALLY, BLISTERING.

CHRONIC-CARCINOGENIC EFFECTS: NOT AVAILABLE. MUTAGENIC EFFECTS: NOT

AVAILABLE. TERATOGENIC EFFECTS:NOT AVAILAB LE. DEVELOPMENTAL TOXICITY:NOT AVAILABLE
Effects of Overexposure:INFLAMMATION OF THE EYE IS CHARACTERIZED BY REDNESS, WATERING, AND ITCHING. SKIN INFLAMMATION IS CHARACTERIZED BY ITCHING, SCALING, REDDENING, OR OCCASIONALLY, BLISTERING.
CHRONIC-CARCINOGENIC EFFECTS : NOT AVAILABLE. MUTAGENIC EFFECTS: NOT AVAILABLE. TERATOGENIC EFFECTS:NOT AVAILABLE. DEVELOPMENTAL TOXICITY:NOT AVAILABLE.
Medical Cond Aggravated by Exposure:REPEATED OR PROLONGED EXPOSURE IS NOT KNOWN TO AGGRAVATE MEDICAL CONDITION.

First Aid

First Aid:EYE:CHECK FOR AND REMOVE ANY CONTACT LENSES. IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR AT LEAST 15 MINUTES, KEEPING EYELIDS OPEN. COLD WATER MAY BE USED. DO NOT USE AN EYE OINTMENT. SEEK MEDICAL A TTENTION. SKIN: WASH WITH A DISINFECTANT SOAP & COVER THE CONTAMINATED SKIN WITH AN ANTI-BACTERIAL CREAM. SEEK IMMEDIATE MEDICAL ATTENTION. INHALATION: ALLOW THE VICTIM TO REST IN A WELL VENTILATED AR EA. SEEK IMMEDIATE MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. EXAMINE LIP & MOUTH FOR TISSUE DAMAGE. LOOSEN TIGHT CLOTHING. IF VICTIM IS NOT BREATHING PERFORM MOUTH-TO-MOUTH RESUSCITATION. SEEK IMMEDIATE MEDICAL ATTENTION.

Fire Fighting

Extinguishing Media:NOT APPLICABLE.
Fire Fighting Procedures:NOT APPLICABLE.
Unusual Fire/Explosion Hazard:NOT APPLICABLE.

Accidental Release

Spill Release Procedures:USE APPROPRIATE TOOLS TO PUT THE SPILLED SOLID IN A CONVENIENT WASTE DISPOSAL CONTAINER. STOP LEAK IF WITHOUT RISK. AVOID CONTACT WITH A COMBUSTIBLE MATERIAL (WOOD, PAPER, OIL, CLOTHING). KEEP SUBSTAN CE DAMP USING WATER SPRAY. DO NOT TOUCH SPILLED MATERIAL. PREVENT ENTRY INTO SEWERS, BASEMENTS OR CONFINED AREAS; DIKE IF NEEDED. CALL FOR ASSISTANCE ON DISPOSAL.

Handling

Handling and Storage Precautions:KEEP CONTAINER DRY. KEEP AWAY FROM HEAT. KEEP AWAY FROM SOURCES OF IGNITION. KEEP AWAY FROM COMBUSTIBLE MATERIAL. OXIDIZING MATERIALS SHOULD BE STORED IN A SEPARATE SAFETY STORAGE CABINET OR ROOM.
Other Precautions:DO NO INGEST. DO NOT BREATHE DUST. NEVER ADD WATER TO THIS PRODUCT. IN CASE OF INSUFFICIENT VENTILATION, WEAR SUITABLE RESPIRATORY EQUIPMENT. IF INGESTED, SEEK MEDICAL ADVICE IMMEDIATELY AND SHOW THE CONTAINER OR THE LABEL. AVOID CONTACT WITH SKIN AND EYES. KEEP AWAY FROM INCOMPATIBLES.

Exposure Controls

Respiratory Protection:A SELF CONTAINED BREATHING APPARATUS SHOULD BE USED TO AVOID INHALATION OF THE PRODUCT. BE SURE TO USE AN APPROVED/CERTIFIED RESPIRATOR OR EQUIVALENT.
Ventilation:USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, OR OTHER ENGINEERING CONTROLS TO KEEP AIRBORNE LEVELS BELOW RECOMMENDED EXPOSURE LIMITS.
Protective Gloves:WEAR GLOVES.
Eye Protection:SPLASH GOGGLES.
Other Protective Equipment:LAB COAT. FULL SUIT. DUST RESPIRATOR. BOOTS. SUGGESTED PROTECTIVE CLOTHING MIGHT NOT BE SUFFICIENT; CONSULT A SPECIALIST BEFORE HANDLING THIS PRODUCT.
Supplemental Safety and Health
IF USER OPERATIONS GENERATE DUST, FUME OR MIST, USE VENTILATION TO KEEP EXPOSURE TO AIRBORNE CONTAMINANTS BELOW THE EXPOSURE LILMIT.
PERSONAL PROTECTION: DUST RESPIRATOR. BE SURE TO USE AN APPROVED/CE RTIFIED RESPIRATOR OR EQUIVALENT. GLOVES.

Chemical Properties

HCC:D1

Boiling Pt:B.P. Text:DECOMPOSES
Melt/Freeze Pt:=306.8C, 584.2F
Spec Gravity:2.26
Solubility in Water:EASILY SOLUBLE IN COLD
Appearance and Odor:SOLID.

Stability

Stability Indicator/Materials to Avoid:YES
EXTREMELY REACTIVE OR INCOMPATIBLE WITH REDUCING AGENTS, COMBUSTIBLE MATERIALS, ORGANIC MATERIALS. HIGHLY REACTIVE WITH ACIDS.
Stability Condition to Avoid:NOT AVAILABLE.

Disposal

Waste Disposal Methods:RECYCLE TO PROCESS, IF POSSIBLE. CONSULT YOUR LOCAL OR REGIONAL AUTHORITIES.

Toxicology

Toxicological Information:OTHER TOXIC EFFECTS ON HUMANS: VERY HAZARDOUS IN CASE OF SKIN CONTACT (IRRITANT), OF INGESTION. HAZARDOUS IN CASE OF INHALATION. SLIGHTLY HAZARDOUS IN CASE OF SKIN CONTACT (CORROSIVE, PERMEATOR).

Other Information

Disclaimer (provided with this information by the compiling agencies):
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Ecology

Ecological:PRODUCTS OF BIODEGRADATION: POSSIBLY HAZARDOUS SHORT TERM DEGRADATION PRODUCTS ARE NOT LIKELY. HOWEVER, LONG TERM DEGRADATION PRODUCTS MAY ARISE. TOXICITY OF THE PRODUCTS OF BIODEGRADATION: THE PRODUCTS OF DEGRADATION ARE MORE TOXIC.

Transport

Transport Information:DOT CLASSIFICATION: CLASS 5.1: OXIDIZING MATERIAL. IDENTIFICATION: SODIUM NITRATE: UN1498 PG: III. SPECIAL PROVISIONS FOR TRANSPORT: MARINE POLLUTANT.

Regulatory

Federal Regulatory Information:TSCA 8(B) INVENTORY: SODIUM NITRATE.
OSHA: HAZARDOUS BY DEFINITION OF HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).
State Regulatory Information:PENNSYLVANIA RTK: SODIUM NITRATE.
MASSACHUSETTS RTK: SODIUM NITRATE.