

SPECTRUM CHEMICAL MFG. CORP. -- NICKEL SULFATE HEXAHYDRATE -- 6810-00-281-2684
===== Product Identification =====

Product ID:NICKEL SULFATE HEXAHYDRATE

MSDS Date:06/23/1999

FSC:6810

NIIN:00-281-2684

Status Code:A

MSDS Number: CKRJY

=== Responsible Party ===

Company Name:SPECTRUM CHEMICAL MFG. CORP.

Address:14422 SOUTH SAN PEDRO STREET

City:GARDENA

State:CA

ZIP:90248-2027

Country:US

Info Phone Num

:310-516-8000

Emergency Phone Num:800-424-9300

Preparer's Name:G.A.BINAS

Chemtec Ind/Phone:(800)424-9300

CAGE:63415

=== Contractor Identification ===

Company Name:INDUSTRIAL CHEMICAL COMMODITIES INC

Address:15944 DERWOOD RD

Box:City:ROCKVILLE

State:MD

ZIP:20855

Country:US

Phone:800-284-5279

Contract Num:SP0450-00-M-SF57

CAGE:1ELU0

Company Name:SPECTRUM LABORATORY PRODUCTS INC

Address:14422 S SAN PEDRO ST

Box:City:GARDENA

State:CA

ZIP:90248-2027

Country:US

Phone:310-516-8000/FAX: 310-516-9843

CA

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Composition/Information on Ingredients
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Ingred Name:NICKEL SULFATE HEXAHYDRATE
CAS:10101-97-0
RTECS #:QR9600000
= Wt:100.
OSHA PEL:1 MG/M3
ACGIH TLV:0.1 MG/M3

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Hazards Identification
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LD50 LC50 Mixture:ORAL LD50 RAT: 264 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:ACUTE: VERY HAZARDOUS IN CASE OF SKIN

CONTACT (IRRITANT), OF EYE CONTACT (IRRITANT), OF INGESTION, OF INHALATION. INFLAMMATION OF THE EYE IS CHARACTERIZED BY REDNESS, WATERING, AND ITCHING. SKIN INFLAMMATION IS CHARACTERIZED BY ITCHING, SCALING, REDDENING, OR, OCCASSIONALLY, BLISTERING. CHRONIC: VERY HAZARDOUS IN CASE OF SKIN CONTACT (IRRITANT), OF EYE CONTACT (IRRITANT), OF INGESTION, OF INHALATION. REPEATED OR PROLONGED INHALATION OF DUST MAY LEAD TO CHRONIC RESPIRATORY IRRITATION.

Explanation of C

arcinogenicity:CARCINOGEN EFFECTS: CLASSIFIED A1

(CONFIRMED FOR HUMAN) BY ACGIH. 1(PROVEN FOR HUMAN) BY IARC, +(PROVEN) BY OSHA. CLASSIFIED 2 (REASONABLY ANTICIPATED) BY NTP.

Effects of Overexposure:EYES: REDNESS, WATERING, AND ITCHING. SKIN: INFLAMMATION IS CHARACTERIZED BY ITCHING, SCALING, REDDENING, OR, OCCASSIONALLY, BLISTERING. IRRITANT. INHALATION: CHRONIC RESPIRATORY IRRITATION.

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First Aid Measures
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First Aid:EYE: REMO

VE CONTACT LENSES. FLUSH EYES WITH WATER FOR 15 MINUTES, KEEPING EYELIDS OPEN. DO NOT USE EYE OINTMENT. GET MEDICAL ATTENTION. SKIN: WASH CONTAMINATED SKIN WITH WATER AND NON-ABRASIVE SOAP. CLEAN FOLDS, CREVICES, AND GROIN. COVER IRRITATED SKIN WITH EMOLLIENT. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. SERIOUS SKIN CONTACT: WASH WITH DISINFECTANT SOAP AND COVER CONTAMINATED SKIN WITH ANTI-BACTERIAL CREAM. SEEK MEDICAL ATTENTION. INHALATION: MOVE TO FRESH AIR. I

F NOT BREATHING,
GIVE MOUTH TO MOUTH RESUSCITATION. GET MEDICAL ATTENTION.
INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

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

Flash Point:NON-FLAMMABLE
Extinguishing Media:NON-FLAMMABLE.
Unusual Fire/Explosion Hazard:RISKS OF EXPLOSION OF THE PRODUCT IN
PRESENCE OF MECHANICAL IMPACT: NOT AVAILABLE. RISKS OF EXPLOSION OF
THE PRODUCT IN PRESENCE OF STATIC DISCHARGE: NOT AVAILABLE.

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

Spill Release Procedures:USE APPROPRIATE TOOLS TO PUT SPILLED SOLID IN
WASTE DISPOSAL CONTAINER. FINISH CLEANING BY SPREADING WATER ON
CONTAMINATED SURFACE. DISPOSE OF ACCORDING TO LOCAL AND REGIONAL
REQUIREMENTS. LARGE SPILL: USE SHOVEL TO PUT MATERIAL INTO WASTE
DISPOSAL CONTAINER. FINISH CLEANING BY SPREADING WATER ON
CONTAMINATED SURFACE. ALLOW TO DRAIN THROUGH SANITARY SYSTEM. CHECK
THAT EXPOSURE LEVEL IS BELOW TLV.

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===== Handling and Storage =====

Handling and Storage Precautions:PRECAUTIONS: KEEP LOCKED UP. DO NOT
INGEST. DO NOT BREATHE DUST. 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 OR EYES.
Other Precautions:CARCINOGENIC, TERATOGENIC OR MUTAGENIC MATERIALS
SHOULD BE STORED IN A SEPARATE LOCKED SAFETY STORAGE CABI
NET OR
ROOM.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:BE SURE TO USE AN APPROVED/CERTIFIED RESPIRATOR
OR EQUIVALENT OR DUST RESPIRATOR IF ADEQUATE. FOR LARGE SPILLS,
WEAR A SELF-CONTAINED BREATHING APPARATUS TO AVOID INHALATION OF
PRODUCT.
Ventilation:USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, OR OTHER
ENGINEERING CONTROLS TO KEEP AIRBORNE LEVELS BELOW RECOMMENDED
EXPOSURE LIMITS.
Protective Gloves:YES
Eye Protec

tion:SPLASH GOGGLES.

Other Protective Equipment:LAB COAT, DUST RESPIRATOR, GLOVES. FOR LARGE SPILLS WEAR SPLASH GOGGLES, FULL SUIT, DUST RESPIRATOR, BOOTS, GLOVES. A SELF-CONTAINED BREATHING APPARATUS TO AVOID INHALATION OF PRODUCT.

Work Hygienic Practices:SUGGESTED PROTECTIVE CLOTHING MIGHT NOT BE SUFFICIENT, CONSULT A SPECIALIST BEFORE HANDLING THIS PRODUCT.

Supplemental Safety and Health

CATALOG NUMBER: N1069 AND N1070. HCC= T7 PICKED OVER T6 BASED ON TABLE B-3, ORDER OF A

SSIGNMENT PREFERENCE SING 49 CFR AS A BASIS.

===== Physical/Chemical Properties =====

HCC:T7

Vapor Density:9.1

Spec Gravity:2.03

Solubility in Water:SOLUBLE

Appearance and Odor:SOLID. (CRYSTALLINE SOLID); ODORLESS. EMERALD-GREEN COLOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

NOT AVAILABLE

Stability Condition to Avoid:NOT AVAILABLE

Hazardous Decomposition Products:NOT AVAILABLE

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===== Toxicological Information =====

Toxicological Information:ROUTES OF ENTRY: EYE CONTACT, INHALATION, INGESTION. ANIMAL TOXICITY: ACUTE ORAL TOXICITY (LD50) RAT : 264 MG/KG. CHRONIC EFFECTS ON HUMANS: CARCINOGENIC EFFECTS: CLASSED A1 (CONFIRMED FOR HUMAN) BY ACGIH; CLASSIFIED 1 (PROVEN FOR HUMAN) BY IARC; CLASSIFIED + (PROVEN) BY OSHA; CLASSIFIED 2 (REASONABLY ANTICIPATED) BY NTP. OTHER TOXIC EFFECTS ON HUMANS: VERY HAZARDOUS IN CASE OF SKIN CONTACT (IRRI TANT), OF INGESTION, OF INHALATION.

===== Ecological Information =====

Ecological:ECOTOXICITY: NOT AVAILABLE. BODS AND COD: NOT AVAILABLE. PRODUCTS OF BIODEGRADATION: POSSIBLY HAZARDOUS SHORT TERM DEGRADATION PRODUCTS ARE NOT LIKELY. HOWEVER, LONG TERM DEGRADATION PRODUCTS MAY ARIS E. TOXICITY OF THE PRODUCTS OF BIODEGRADATION: THE PRODUCTS OF DEGRADATION ARE MORE TOXIC.

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

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

===== MSDS Transport Information =====

Transport Information:DOT CLASSIFICATION: NOT A DOT CONTROLLED MATERIAL (UNITED STATES). HOWEVER, PRODUCT MEETS THE DEFINITION OF A D.O.T. CLASS 9, ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID , N.O.S. UN 3077, PG I I I. TH E C T D F FOR THIS PRODUCT ALSO SPECIFIES THIS CLASS 9 SHIPING CLASS.

===== Regulatory Information =====

SARA Title III Information:SARA 313 TOXIC CHEMICAL NOTIFICATION AND RELEASE REPORTING: NICKEL SULFATE HEXAHYDRATE. CERCLA: HAZARDOUS SUBSTANCES: NICKEL SULFATE HEXAHYDRATE.

Federal Regulatory Information:TSCA 8(B) INVENTORY: NICKEL SULFATE HEXAHYDRATE. OTHER REGULATIONS: OSHA: HAZARDOUS BY DEFINITION OF HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).

State Regulatory Information:CALIFORNIA PROP 65: THIS PRODUCT CONTAINS

THE FOLLOWING INGREDIENTS FOR WHICH THE STATE OF CALIFORNIA HAS FOUND TO CAUSE CANCER, BIRTH DEFECTS, OR OTHER REPRODUCTIVE HARM, WHICH WOULD REQUIRE A WARNI NG UNDER THE STATUTE: NICKEL SUFATE HEXAHYDRATE. ALSO THIS PRODUCT CONTAINS THE FOLLOWING INGREDIENTS FOR WHICH THE STATE OF CALIFORNIA HAS FOUND TO CAUSE CANCER WHICH WOULD REQUIRE A WARNING UNDER TH E STATUTE: NICKEL SULFATE HEXAHYDRATE. PENNSYLVANIA RTK: NICKEL SULFATE HEXAHYDRATE. MASSACHUSETTS R TK: NICKEL S ULFATE HEXAHYDRATE.

===== Other Information =====

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