

VAN WATERS & ROGERS -- NICKEL SULFATE CRYSTAL, PRODUCT:626749 - NICKEL SULFATE, HEXAHYDRATE, TECHNICAL  
MATERIAL SAFETY DATA SHEET

FSC: 6810

NIIN: 002512684

Manufacturer's CAGE: 0AN91

Part No. Indicator: A

Part Number/Trade Name: NICKEL SULFATE CRYSTAL, PRODUCT:626749

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General Information  
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Item Name: NICKEL SULFATE, HEXAHYDRATE, TECHNICAL

Company's Name: VAN WATERS AND ROGERS

Company's Street: 2256 JUNCTION AVE

Company's City: SAN JOSE

Company's State: CA

Company's Country: US

Company's Zip Code: 95131

Company's Emerg Ph #: 408-435-8700/800-424-9300 (CHEMTREC)

Company's Info Ph #: 408-435-8700/206-889-3400

Distributor/Vendor # 1: CHEMICAL COMMODITIES AGENCY, INC.

Distributor/Vendor # 1 Cage: 60777

Record No. For Safety Entry: 001

Tot Safety Entries This Stk#: 001

Status: SE

Date MSDS Prepared: 29DEC92

Safety Data Review Date: 03JAN95

Supply Item Manager: CX

Preparer's Company: (MSDS#:P1405OV)

MSDS Serial Number: BWCBM

Specification Number: DOD-N-51512

Spec Type, Grade, Class: TYP I

Hazard Characteristic Code: T6

Unit Of Issue: DR

Unit Of Issue Container Qty: 100LBS

Type Of Container: DRUM

Net Unit Weight: 100 LBS

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Ingredients/Identity Information  
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Proprietary: NO

Ingredient: NICKEL SULFATE (SARA III) (NISO46H2O)

Ingredient Sequence Number: 01

Percent: UNK

NIOSH (RTECS) Number: QR9350000

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Health Hazard Data  
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LD50-LC50 Mixture: NOT GIVEN

Route Of Entry - Inhalation: YES

Route Of Entry - Skin: YES

Route Of Entry - Ingestion: YES

Health Haz Acute And Chronic: SKIN:CAN CAUSE ALLERGIC DERMATITIS (NICKEL ITCH OR RASH). EYES:CAN CAUSE IRRITATION. INHAL:CAN CAUSE UPPER RESP TRACT IRRIT. INGEST:CAN CAUSE GASTRO-INTESTINAL DISORDERS.

Carcinogenicity - NTP: YES

Carcinogenicity - IARC: YES

Carcinogenicity - OSHA: YES

Explanation Carcinogenicity: PER MSDS:NIOSH HAS CONCLUDED THAT CERTAIN NICKEL COMPOUNDS ARE SUSPECTED CARCINOGENS.

Signs/Symptoms Of Overexp: ALLERGIC SKIN DERMATITIS. EYE/UPPER RESP TRACT IRRIT. GI DISORDERS.

Med Cond Aggravated By Exp: NONE SPECIFIED BY MFG.

Emergency/First Aid Proc: SKIN:REMOVE CONTAMIN CLOTHING. WASH THOROUGHLY W/SOAP & WATER. CONSULT PHYSICIAN. EYE:IMMED FLUSH W/LG AMTS OF WATER FOR @LEAST 15MINS LIFTING EYELIDS. GET IMMED MED ATTN. INHAL:REMOVE TO FRESH IR. IF BREATHING IS DIFFICULT ADMINISTER OXYGEN. CONSULT PHYSICIAN. INGEST:IF CONSCIOUS INDUCE VOMITING. GET MED ATTN.

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Precautions for Safe Handling and Use  
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Steps If Matl Released/Spill: CONTAIN SPILL. PICK UP IN AN APPROVED CONTAINER FOR DISPOSAL. DO NOT DISCHARGE TO SURFACE WATERS OR SEWER.

Neutralizing Agent: NONE SPECIFIED BY MFG.

Waste Disposal Method: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

Precautions-Handling/Storing: KEEP CONTAINER CLOSED; PROTECT AGAINST PHYSICAL DAMAGE; AVOID CONTACT WITH SKIN/EYES/CLOTHING.

Other Precautions: NONE SPECIFIED BY MFG.

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Control Measures  
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Respiratory Protection: IF WORKPLACE EXPOSURE LIMITS ARE EXCEEDED A NIOHS/MHSA APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED:CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.

Ventilation: PROVIDE SUFFICIENT MECHANICAL VENTILATION TO MAINTAIN EXPOSURE BELOW TLV.

Protective Gloves: NEOPRENE OR PVC GLOVES.

Eye Protection: CHEM SPLASH GOGG & FACESHIELD IAW OSHA.

CAS Number: 7786-81-4  
OSHA PEL: 1 MG (NI)/M3  
ACGIH TLV: 0.1 MG(NI)/M3; 9394  
Other Recommended Limit: NONE RECOMMENDED

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Proprietary: NO  
Ingredient: NICKEL (SARA III), NICKEL SULFATE CRYSTALS CONTAIN 22.3%  
NICKEL METAL BY WT.  
Ingredient Sequence Number: 02  
Percent: N/A  
NIOSH (RTECS) Number: QR5950000  
CAS Number: 7440-02-0  
OSHA PEL: 1 MG/M3  
ACGIH TLV: 1 MG/M3; 9394  
Other Recommended Limit: NONE RECOMMENDED

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Physical/Chemical Characteristics  
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Appearance And Odor: EMERALD GREEN CYRSTALS.  
Boiling Point: N/A  
Specific Gravity: 2.03  
Solubility In Water: COMPLETE 100%.  
Viscosity: N/A  
Autoignition Temperature: N/A

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Fire and Explosion Hazard Data  
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Flash Point: N/A  
Lower Explosive Limit: N/A  
Upper Explosive Limit: N/A  
Extinguishing Media: NOT FLAMMABLE. CARBON DIOXIDE, DRY CHEMICAL OR WATER.  
Special Fire Fighting Proc: NOT A FIRE HAZARD. WEAR SELF-CONTAINED  
BREATHING APPARATUS WHEN LARGE QUANTITIES ARE INVOLVED.  
Unusual Fire And Expl Hazrds: MAY FORM TOXIC FUMES AND METAL OXIDES. NOT A  
FIRE HAZARD.

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Reactivity Data  
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Stability: YES  
Cond To Avoid (Stability): NONE SPECIFIED BY MFG.  
Materials To Avoid: NONE EXPECTED.  
Hazardous Decomp Products: MAY FORM TOXIC FUMES AND METAL OXIDES.  
Hazardous Poly Occur: NO  
Conditions To Avoid (Poly): NOT APPLICABLE

Other Protective Equipment: TO PREVENT REPEATED/PROLONGED CONTACT WEAR  
PERVIOUS CLOTHING & BOOTS.

Work Hygienic Practices: WASH HANDS AFTER HANDLING. WASH CONTAMINATED  
CLOTHING PRIOR TO REUSE.

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Transportation Data  
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Trans Data Review Date: 95003  
DOT PSN Code: ZZZ  
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
IMO PSN Code: ZZZ  
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION  
IATA PSN Code: ZZZ  
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
AFI PSN Code: ZZZ  
AFI Prop. Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
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Disposal Data  
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Label Data  
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Label Required: YES  
Technical Review Date: 03JAN95  
Label Status: F  
Common Name: NICKEL SULFATE CRYSTAL, PRODUCT:626749  
Signal Word: WARNING!  
Acute Health Hazard-Moderate: X  
Contact Hazard-Slight: X  
Fire Hazard-None: X  
Reactivity Hazard-None: X  
Special Hazard Precautions: SKIN:CAN CAUSE ALLERGIC DERMATITIS (NICKEL  
ITCH OR RASH). EYES:CAN CAUSE IRRITATION. INHAL:CAN CAUSE UPPER RESP TRACT  
IRRIT. INGEST:CAN CAUSE GASTRO-INTESTINAL DISORDERS. KEEP CONTAINER CLOSED;  
PROTECT AGAINST PHYSICAL DAMAGE; AVOID CONTACT WITH SKIN/EYES/CLOTHING.  
TARGET ORGANS:SKIN/EYES/RESP TRACT/GI TRACT. FIRST AID: SKIN:REMOVE  
IMMED FLUSH W/LG AMTS OF WATER FOR @LEAST 15MINS LIFTING EYELIDS. GET IMMED  
MED ATTN. INHAL:REMOVE TO FRESH IR. IF BREATHING IS DIFFICULT ADMINISTER  
OXYGEN. CONSULT PHYSICIAN. INGEST:IF CONSCIOUS INDUCE VOMITING. GET MED  
ATTN.  
Protect Eye: Y  
Protect Skin: Y  
Protect Respiratory: Y  
Label Name: VAN WATERS AND ROGERS

Label Street: 2256 JUNCTION AVE  
Label City: SAN JOSE  
Label State: CA  
Label Zip Code: 95131  
Label Country: US  
Label Emergency Number: 408-435-8700/800-424-9300 (CHEMTREC)

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