General Information

- Item Name: NICKEL SULFATE, HEXAHYDRATE, TECHNICAL
- Company's Name: VAN WATERS AND ROGERS
- Company's Address: 2256 JUNCTION AVE, SAN JOSE, CA, 95131
- Emergency Ph #: 408-435-8700/800-424-9300
- Info Ph #: 408-435-8700/206-889-3400
- Distributor/Vendor: CHEMICAL COMMODITIES AGENCY, INC.
- Record No. For Safety Entry: 001
- Status: SE
- Date MSDS Prepared: 29DEC92
- Supply Item Manager: CX
- Preparer's Company: (MSDS#: P1405OY)
- MSDS Serial Number: BWCBM
- Specification Number: DOD-N-51512
- Hazard Characteristic Code: T6
- Unit Of Issue: DR
- Unit Of Issue Container Qty: 100LBS
- Type Of Container: DRUM
- Net Unit Weight: 100 LBS

Ingredients/Identity Information

- Proprietary: NO
- Ingredient: NICKEL SULFATE (SARA III) (NISO46H2O)
- Percent: UNK
- NIOSH (RTECS) Number: QR9350000
Health Hazard Data

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.

Precautions for Safe Handling and Use

Steps If Mat 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.

Control Measures

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

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

Physical/Chemical Characteristics

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

Fire and Explosion Hazard Data

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 BREATHEING APPARATUS WHEN LARGE QUANTITIES ARE INVOLVED.
Unusual Fire And Expl Hazards: MAY FORM TOXIC FUMES AND METAL OXIDES. NOT A FIRE HAZARD.

Reactivity Data

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.

Transportation Data

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

Disposal Data

Label Data

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
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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