

CAROLINA BIOLOGICAL SUPPLY CO -- 87-7170, NICKEL NITRATE

MSDS Safety Information

MSDS Date: 09/05/2000  
MSDS Num: CKTYM  
Product ID: 87-7170, NICKEL NITRATE  
MFN: 01  
Responsible Party  
Cage: 59896  
Name: CAROLINA BIOLOGICAL SUPPLY CO  
Address: 2700 YORK RD  
City: BURLINGTON NC 27215-3387  
Info Phone Number: 800-227-1150  
Emergency Phone Number: 800-424-9300

Ingredients

Cas: 13478-00-7  
RTECS #: QR7300000  
Name: NICKEL NITRATE  
Percent by Wt: 100.

Health Hazards Data

LD50 LC50 Mixture: ORAL LD50(RAT):1620 MG/KG  
Route Of Entry Inds - Inhalation: YES  
Ingestion: YES  
Effects of Exposure: TARGET ORGANS: RESPIRATORY CONDITIONS. EYES: MAY CAUSE IRRITATION. SKIN: MAY CAUSE IRRITATION. INGESTION: MAY CAUSE GASTROINTESTINAL DISCOMFORT. INHALATION: MAY CAUSE IRRITATION TO RESPIRATORY TRACT. CHRONIC: NONE.

Medical Cond Aggravated By Exposure: RRITATING ON CONTACT WITH SKIN, EYES AND MUCOUS MEMBRANES. MAY BE HARMFUL IF SWALLOWED. VAPOR IRRITATING TO RESPIRATORY PASSAGES.

First Aid: EYE-FLUSH WITH WATER FOR 15 MINS, RAISING & LOWERING EYELIDS. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. SKIN-THOROUGHLY WASH EXPOSED AREA FOR 15 MINS. REMOVE CONTAMINATED CLOTHING. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. INGESTION-IF SWALLOWED, IF CONSCIOUS, GIVE PLENTY OF WATER & INDUCE VOMITING IMMEDIATELY AS DIRECTED BY MEDICAL PERSONNEL. IMMEDIATELY CALL PHYSICIAN OR POISON CONTROL CENTER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. INHALE-REMOVE TO FRESH AIR. GIVE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. KEEP PERSON WAR M, QUIET & GET MEDICAL ATTENTION.

Handling and Disposal

Spill Release Procedures: VENTILATE AREA OF SPILL. CLEAN-UP PERSONNEL SHOULD WEAR PROPER PROTECTIVE EQUIPMENT. AVOID CREATING DUST. SWEEP OR SCOOP UP AND CONTAINERIZE FOR DISPOSAL.

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. ALWAYS CONTACT A PERMITTED WASTE DISPOSER (TSD) TO ASSURE COMPLIANCE.

Handling And Storage Precautions: KEEP CONTAINER TIGHTLY CLOSED & PROTECT AGAINST PHYSICAL DAMAGE. STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM COMBUSTIBLE, ORGANIC & OTHER READILY OXIDIZABLE MATERIALS.

Other Precautions: AVOID STORAGE ON WOODEN FLOORS. DO NOT BREATHE DUST. DO NOT GET INTO EYES, ON SKIN, OR ON CLOTHING.

Fire and Explosion Hazard Information

Flash Point Text: NONCOMBUSTIBLE

Extinguishing Media: USE DRY CHEMICAL, CO2, OR APPROPRIATE FOAM.

Fire Fighting Procedures: FIREFIGHTERS SHOULD WEAR FULL PROTECTIVE EQUIPMENT AND NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard: MAY INTENSIFY FIRE. GREATER HAZARD AT ELEVATED TEMPERATURES.

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 Control Measures  
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Respiratory Protection: NONE NEEDED UNDER NORMAL CONDITIONS OF USE WITH ADEQUATE VENTILATION. NIOSH APPROVED EQUIPMENT SHOULD BE WORN IF PELS ARE EXCEEDED.

Ventilation: LOCAL EXHAUST: YES. MECHANICAL(GENERAL): YES.

Protective Gloves: RUBBER, NEOPRENE, PVC OR EQUIVALENT.

Eye Protection: SPLASH PROOF CHEMICAL SAFETY GOGGLES WORN AT ALL .

Other Protective Equipment: LAB COAT, EYE WASH, AND SAFETY SHOWER.

Work Hygienic Practices: LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health: PRODUCT CODES: 87-7170, 84-0910. SIZE: 125G.

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 Physical/Chemical Properties  
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HCC: D1

Boiling Point: =136.7C, 278.1F

Melt/Freeze Pt: =56.7C, 134.1F

Spec Gravity: 2.05

Evaporation Rate & Reference: N/A (H2O=1)

Solubility in Water: SOLUBLE

Appearance and Odor: BRIGHT GREEN, ODORLESS CRYSTAL.

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 Reactivity Data  
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Stability Indicator: YES

Stability Condition To Avoid: HEAT, SHOCK, FRICTION, CONTACT WITH COMBUSTIBLE MATERIALS.

Materials To Avoid: ALUMINUM, BORON PHOSPHIDE, WAXES, REDUCING AGENTS.

Hazardous Decomposition Products: NOX.

Hazardous Polymerization Indicator: NO

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 Toxicological Information  
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Toxicological Information: TOXICITY DATA: ORL-  
 AGGRAVATED BY OVEREXPOSURE: IRRITATING ON SKIN, EYES OR MUCOUS MEMBRANES. MAY BE HARMFUL IF SWALLOWED. VAPOR IRRITATING TO EYES AND RESPIRATORY PASSAGES. TARGET ORGANS: RESPIRATORY SYSTEMS. PRIMARY ROUTE(S) OF ENTRY: INHALATION, INGESTION.

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 Ecological Information  
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Ecological: EPA WASTE NUMBERS: D001.

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 MSDS Transport Information  
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Transport Information: DESCRIPTION: NICKEL NITRATE, N2725, III.

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 Regulatory Information  
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Sara Title III Information: HAZARD CATEGORY 3. N 311/312 REPORTING: ACUTE. NICKEL NITRATE: SARA SEC. 313 CHEMICAL INVENTORY: YES.

Federal Regulatory Information: EPA TSCA STATUS: INVENTORY. CERCLA SEC. 103 RQ LBS.-100.

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 Other Information  
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Other Information: EMERGENCY OVERVIEW: CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE. MAY BE HARMFUL IF SWALLOWED. IRRITATING TO SKIN, EYES & MUCOUS MEMBRANES. VAPOR IRRITATING. DELIQUESCENT. NEPHRATIC: HEALTH: 1; FIRE: 0; REACTIVITY: 0.

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 Transportation Information  
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Responsible Party Cage: 59896

Trans ID NO: 154965

Product ID: 87-7170, NICKEL NITRATE

MSDS Prepared Date: 09/05/2000  
Review Date: 10/12/2000  
MFN: 1  
Net Unit Weight: 0.276 LBS  
Multiple KIT Number: 0  
Review IND: Y  
Unit Of Issue: CY  
Type Of Container: CYLINDER

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Detail DOT Information  
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DOT PSN Code: KCT  
DOT Proper Shipping Name: NICKEL NITRATE  
Hazard Class: 5.1  
UN ID Num: UN2725  
DOT Packaging Group: III  
Label: OXIDIZER  
Special Provision: A1  
Packaging Exception: 152  
Non Bulk Pack: 213  
Bulk Pack: 240  
Max Qty Pass: 25 KG  
Max Qty Cargo: 100 KG  
Vessel Stow Req: A

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Detail IMO Information  
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IMO PSN Code: KNK  
IMO Proper Shipping Name: NICKEL NITRATE  
IMDG Page Number: 5161  
UN Number: 2725  
UN Hazard Class: 5.1  
IMO Packaging Group: III  
Subsidiary Risk Label: -  
EMS Number: 5.1-06  
MED First Aid Guide NUM: NON

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Detail IATA Information  
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IATA PSN Code: RSJ  
IATA UN ID Num: 2725  
IATA Proper Shipping Name: NICKEL NITRATE  
IATA UN Class: 5.1  
IATA Label: OXIDIZER  
UN Packing Group: III  
Packing Note Passenger: 516  
Max Quant Pass: 25KG  
Max Quant Cargo: 100KG  
Packaging Note Cargo: 518

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Detail AFI Information  
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AFI PSN Code: RSJ  
AFI Proper Shipping Name: NICKEL NITRATE  
AFI Hazard Class: 5.1  
AFI UN ID NUM: UN2725  
AFI Packing Group: III  
Special Provisions: P5, A1  
Back Pack Reference: A9.8

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HAZCOM Label  
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Product ID: 87-7170, NICKEL NITRATE  
Cage: 59896  
Company Name: CAROLINA BIOLOGICAL SUPPLY CO  
Street: 2700 YORK RD  
City: BURLINGTON NC

Zipcode: 27215-3387  
Health Emergency Phone: 800-424-9300  
Label Required IND: Y  
Date Of Label Review: 10/12/2000  
Status Code: A  
Origination Code: F  
Eye Protection IND: YES  
Skin Protection IND: YES  
Signal Word: CAUTION  
Respiratory Protection IND: NO  
Health Hazard: Slight  
Contact Hazard: Slight  
Fire Hazard: None  
Reactivity Hazard: None

Hazard And Precautions: TARGET ORGANS: RESPIRATORY CONDITIONS. EYES: MAY CAUSE IRRITATION. SKIN: MAY CAUSE IRRITATION. INGESTION: MAY CAUSE GASTROINTESTINAL DISCOMFORT. INHALATION: MAY CAUSE IRRITATION TO RESPIRATORY TRACT. CHRONIC: NONE.

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