

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 WARM, 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, AMINES, 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, 100% 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. NFPA RATING: 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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