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Product ID:NICKEL (11)CHLORIDE HEXAHYDRATE

MSDS Date:10/13/1989

FSC:6810

NIIN:00-201-1802

MSDS Number: BHPBP === Responsible Party ===

Company Name: FISHER SCIENTIFIC, CHEMICAL DIV.

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ ZIP:07410 Country:US

Info Phone Num:201-796-7100

Emergency Phone Num:201-796-7100 OR 201-796-7523

Preparer's Name: GASTON L. PILLORI

CAGE:1B464

=== Contractor Identification ===

Company Name: FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address: 1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802 Country:US

Phone:201-796-7100

CAGE:1B464

======= Composition/Information on Ingredients ========

Ingred Name: NICKELOUS CHLORIDE HEXAHYDRATE

CAS:7791-20-0

RTECS #:QR6480000 Fraction by Wt: 100.0%

OSHA PEL:O.1 MG/M3 (AS NI)

ACGIH TLV:0.1 M

LD50 LC50 Mixture:105MG/KG ORAL-RAT

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic: ACUTE: INHALE: IRRITATION, COUGH,

PNEUMONITIS AND FEVER. SKIN: SWELLING AND IRRITATION, SENSITIATION. EYE: REDNESS AND IRRITATION. INGEST: NAUSEA, VOMITING, STOMATITIS, DIARRHEA CHRONIC: INHALE: PLILM ONARY EDEMA MILCOLIS

DIARRHEA. CHRONIC: INHALE: PULM ONARY EDEMA, MUCOUS

**MEMBRANE** 

IRRITATION, AND PULMONARY SENSITIZATION. SKIN: SENSITIZATION DERMATITIS.

Explanation of Carcinogenicity: DATA PER MGF MSDS. (FOR NICKEL)

Effects of Overexposure:CONTACT WITH NICKEL COMPOUNDS CAUSES "NICKEL ITCH", A FORM OF SENSITIZATION WITH ITCHING, BURNING, ECZEMA. INHALATION OF NICKEL SALTS IRRITATES THE RESPIRATORY TRACT, CAUSING PNEUMONITIS AND FEVER. IN GESTION CAUSES VOMITING AND COLLAPSE. OTHER SYMPTOMS ARE WATERY ARE BLOODY DIARRHEA, HEMOLYSIS, JAUNDICE, CONVULSIONS.

Medical Cond Aggravated by Exposure: PERSONS WITH A HISTORY OF SKIN AND RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

First Aid:INHALATION: REMOVE SUBJECT TO FRESH AIR. MAINTAIN BREATHING, KEEP WARM AND GET MEDICAL HELP. EYE: FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING AND SHOES. WASH WITH SOAP AND WATER. IN

GESTION: GIVE 2-4 GLASSES OF WATER AND INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point: NON-FLAMMABLE

Extinguishing Media: USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:NEGLIGIB

LE FIRE AND NEGLIGIBLE HAZARD IN DUST FORM WHEN EXPOSED TO HEAT OR FLAME.
======== Accidental Release Measures =========
Spill Release Procedures:SWEEP UP AND PLACE IN SUITABLE (FIBERBOARD), CONTAINERS FOR LATER DISPOSAL.
=========== Handling and Storage ============
Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED AREA. PROTECT FROM PHYSICAL DAMAGE. KEEP CONTAINERS CLOSED. Other Precautions:AVOID BREATHING DUST; AVOID CONTACT WITH EYES, SKIN, AND CLOTHING.
====== Exposure Controls/Personal Protection ========
Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH-RESPIRATOR SELECTION.  Ventilation:PROVIDE LOCAL EXHAUST VENTILATION OR GENERAL DILUTION VENTILATION TO MEET PERMISSIBLE EXPOSURE LIMITS.  Protective Gloves:RUBBER Eye Protection :CHEMICAL SAFETY GOGGLES AND FACESHIELD Other Protective Equipment:SAFETY SHOWER AND EYE BATH. OTHER EQUIPMENT AS REQUIRED TO MINIMIZE EXPOSURE FROM PROLONGED OR REPEATED CONTACT.  Work Hygienic Practices:WASH THROUGHLY AFTER HANDLING AND BEFORE EATING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. Supplemental Safety and Health
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HCC:T4 NRC/State Lic Num:NOT RELEVANT Spec Gravity:3.6 pH:@ 4 Solubility in Water:SOLUBLE

## Appearance and Odor:GREEN DELIQUESCENT CRYSTALS OR MONOCLINIC CRYSTALLINE POWDER

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Stability Indicator/Materials to Avoid:YES
POTASSIUM;FORMS SHOCK-SENSITIVE MIXTURE
Stability Condition to Avoid:ABNORMAL TEMPERATURES AND PRESSURES.FLAMES
Hazardous Decomposition Products:MAY FORM TOXIC AND HIGHLY FLAMMABLE
NICKEL CARBONYL UNDER THERMAL DECOMPOSITION.

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

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aste Disposal Methods:CONSULT LOCAL AUTHORITIES;DISPOSAL MUST BE IN ACCORDANCE WITH LOCAL,STATE AND FEDERAL REGULATIONS

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