

FISHER SCIENTIFIC CO CHEMICAL DIV. -- NICKELOUS CHLORIDE HEXAHYDRATE --  
6810-00-726-9306

===== Product Identification =====

Product ID:NICKELOUS CHLORIDE HEXAHYDRATE

MSDS Date:04/20/1992

FSC:6810

NIIN:00-726-9306

MSDS Number: BQNQV

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC CO CHEMICAL DIV.

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410-2802

Country:US

Info Phone Num:201-7

96-7100

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

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:NICKEL CHLORIDE HEXAHYDRATE

CAS:7791-20-0

RTECS #:QR6480000

Fraction by Wt: 100%

Other REC Limits:NIOSH 0.015 MG NI/M3

OSHA PEL:0.1 MG NI/M3

ACGIH TLV:0.1 M

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===== Hazards Identification =====

LD50 LC50 Mixture:ORAL RAT LD50 IS 105 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:EYE: MAY BE IRRITATING. SKIN CONTACT:

MAY CAUSE SENSITIZATION DERMATITIS, "NICKEL ITCH" CHARACTERIZED BY PRUITIS. INHALATION: MAY BE IRRITATING TO THE MUCOUS MEMBRANES OF THE UPPER RESPIRATORY TRACT. INGESTION: MAY C

AUSE GASTROINTESTINAL

IRRITATION, VOMITING, DIARRHEA.

Explanation of Carcinogenicity:NICKEL AND CERTAIN NICKEL COMPOUND ARE CARCINOGENIC.

Effects of Overexposure:EYE: MAY CAUSE CONJUNCTIVITIS. SKIN: REOEATED

OR PROLONGED EXPOSURE TO NICKEL AND NICKEL COMPOUNDS MAY CAUSE SENSITIZATION DERMATITIS. INHALATION: MAY CAUSE HYPERPLASIA OF THE BRONCHIOLAR AND BRONCHIA L EPITHILIUM WITH PERIBRONCHIAL LYMPHOCYTIC INFILTRATION. INGESTION: MAY CAUSE DEATH DELAYED FOR 24 HOURS OR

MORE.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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===== First Aid Measures =====

First Aid:EYE: FLUSH WITH WATER 15 MIN, HOLD LIDS OPEN. GET MEDICAL

ATTENTION IMMEDIATELY. SKIN: REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE REUSE. WASH WITH SOAP AND WATER. GET MEDICAL

ATTENTION. INHALAT ION: REMOVE TO FRESH AIR. RESTORE BREATHING AS NEEDED. GET MEDICAL ATTENTION. INGESTION: GET MEDICAL ATTENTION IMMEDIATELY.

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

Flash Point:NON-FLAMMABLE

Extinguishing Media:PRODUCT IS NON FLAMMABLE. EXTINGUISH FIRE WITH MEDIA APPROPRIATE FOR SOURCE OF FIRE.

Fire Fighting Procedures:MOVE CONTAINER FROM FIRE AREA IF YOU CAN DO IT WITHOUT RISK. DO NOT SCATTER SPILLED MATERIAL WITH HIGH-PRESSURE WATER STREAM. DIKE FIRE-CONTROL WATER.

Unusual Fire/Explosion Hazard:NEGLIGIBLE FIRE HAZARD IN BULK FORM. HOWEVER, POSSIBLE FIRE AND EXPLOSION HA

ZARD IN DUST FORM WHEN  
EXPOSED TO HEAT OR FLAME.

===== Accidental Release Measures =====

Spill Release Procedures:SWEEP UP WITH A MINIMUM OF DUSTING AND PLACE INTO SUITABLE CLEAN, DRY CONTAINERS FOR RECLAMATION OR LATER DISPOSAL. RESIDUE SHOULD BE CLEANED UP USING A HIGH-EFFICIENCY PARTICULATE FILTER VACUUM.

Neutralizing Agent:NONE

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED

AREA. PROTECT BAGS FROM WATER AND MOISTURE.

Other Precautions:MANUFACTURER STATE "CONDITIONS TO AVOID" NONE REPORTED.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:THE SPECIFIC RESPIRATOR SELECTED MUST BE BASED ON CONTAMINATION LEVELS FOUND IN THE WORK PLACE.

Ventilation:NORMAL ROOM VENTILATION IS SUFFICIENT. SUPPLEMENT WITH LOCAL EXHAUST IF PEL/TLV IS EXCEEDED.

Protective Gloves:RUBBER, VINYL OR OTHER IMPERVIOUS

Eye Protection:DUST-RESISTANT SAFETY GOGGLES

Other Protective Equipment:FULL WORK CLOTHING, SAFETY SHOES, APRON. SAFETY SHOWER AND EYE WASH STATION.

Work Hygienic Practices:USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID ALL CONTACT IF POSSIBLE.

Supplemental Safety and Health

NICKEL REFINING AND SOME NICKEL COMPOUNDS ARE LISTED AS CARCINOGENS. THUS FAR NICKEL CHLORIDE HAS NOT BEEN FOUND TO CAUSE CANCER, BUT ALL DIRECT CONTACT SHOULD BE AVOIDED IF POSSIBLE.

===== Physical  
/Chemical Properties =====

HCC:T4

Boiling Pt:B.P. Text:SUBLIMES

Melt/Freeze Pt:M.P/F.P Text:SUBLIMES

Spec Gravity:3.6

Solubility in Water:COMPLETE

Appearance and Odor:GREEN DELEQUESCENT CRYSTALS OR MONOCLINIC CRYSTALLINE POWDER.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

POTASSIUM FORMS SHOCK-SENSITIVE MIXTURE

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:HAZA

RDOUS NICKEL CARBONYL.

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

Waste Disposal Methods:DISPOSE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. MANUFACTURER MAKES NO SUGGESTIONS.

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