

CP CHEMICALS INC -- NICKEL SULFATE HEXAHYDRATE -- 6810-00-281-2684

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

Product ID:NICKEL SULFATE HEXAHYDRATE

MSDS Date:10/23/1990

FSC:6810

NIIN:00-281-2684

MSDS Number: BDSSP

=== Responsible Party ===

Company Name:CP CHEMICALS INC

Address:1 PARKER PLZ

City:FT LEE

State:NJ

ZIP:07024

Country:US

Info Phone Num:815-727-4465

Emergency Phone Num:201-944-6020/800-424-9300(

CHEMTREC)

CAGE:HO912

=== Contractor Identification ===

Company Name:CP CHEMICALS INC

Address:1 PARKER PLAZA, SUITE 1400

City:FORT LEE

State:NJ

ZIP:07024

Country:US

Phone:803-481-8528

CAGE:HO912

Company Name:CP CHEMICALS, INC

Address:1 PARKER PLZ

Box:City:FT LEE

State:NJ

ZIP:07024

Country:US

Phone:800-424-9300(CHEMTREC)

CAGE:8C813

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

Ingred Name:NICKEL SULFATE (SARA III)

CAS:7786-81-4

RTECS #:QR9350000

Fraction by Wt: 59%

OSHA P

EL:1 MG NI/M3
ACGIH TLV:0.1 MG NI/M3; 9293
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:NON HAZARDOUS INGREDIENT
Fraction by Wt: 41% %
Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 300 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:ACUTE: IRRITATION OF MUCOUS MEMBRANES
OF UPPER RESPIRATO
RY TRACT, SENSITIZATION DERMATITIS, CONJUNCTIVA,
REDNESS AND PAIN OF EYES, IRRITATION, VOMITING AND DIARRHEA.
CHRONIC: POSSIBLE CANCER OF THE NA SAL PASSAGES AND LUNGS.
REVERSIBLE ADVERSE EFFECTS ON MALE REPRODUCTIVE ORGANS.
Explanation of Carcinogenicity:NTP & IARC INDICATE SUFFICIENT EVIDENCE
OF NICKEL AND CERTAIN NICKEL COMPOUNDS TO BE SUSPECTED CARCINOGENS.
Effects of Overexposure:EYE CONTACT CAUSES IRRITATION. SKIN CONTACT
CAUSES IRRITATION AND MAY CAUSE SENSITIZATION OR
ALLERGIC REACTIONS
RESULTING IN CHRONIC ECZEMA OR "NICKEL ITCH".
Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS
OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, OR
RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING.
GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER
FOR 15 MINUTES
HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.
SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF
IRRITATION PERSISTS, GET MEDICAL ADVICE. INGESTION: INDUCE
VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE
MEDICAL ATTENTION.

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

Flash Point:NONFLAMMABLE
Lower Limits:NONFLAMMABLE
Upper Limits:NONFLAMMABLE
Extinguishing Media:USE ANY SUITABLE MEDIA TO EXTINGUISH SURROUNDING
FIRE.
Fire F

ighting Procedures:USE SPECIAL BREATHING EQUIPMENT AND PROTECTIVE CLOTHING APPROPRIATE TO THE SURROUNDING FIRE.

Unusual Fire/Explosion Hazard:NOT CONSIDERED TO BE AN EXPLOSION HAZARD.

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

Spill Release Procedures:COLLECT SPILLED MATERIAL IN THE MOST CONVENIENT AND SAFE MANNER FOR RECLAMATION SOLD AS SCRAP OR FOR DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:AVOID BREATHING DUST; AVOID CONTACT WITH EYES, SKIN AND CLOTHING. WASH SKIN THOROUGHLY AFTER HANDLING. KEEP CONTAINER CLOSED.

Other Precautions:DO NOT EAT , DRINK OR SMOKE WHILE HANDLING THIS MATERIAL.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED ORGANIC VAPOR CARTRIDGE AND DUST/MI
ST PRE-FILTER RESPIRATORS AS PER CURRENT 29
CFR 1910.134, INSTRUCTIONS/ WARNINGS AND NIOSH-RESPIRATOR
SELECTION.

Ventilation:SUFFICIENT TO KEEP THE NICKEL LEVEL BELOW THE PERMISSIBLE TLV LEVEL.

Protective Gloves:NEOPRENE, NITRILE, VPC OR NATURAL RUBBER

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.
INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRAC
TICES AND

RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT WEAR CONTACT LENSES.

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

HCC:N1

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

Decomp Temp:Decomp Text:1544F,840C

Spec Gravity:2.07

Solubility in Water:APPRECIABLE

Appearance and Odor:ODORLESS, DEEP GREEN TRANSPARENT CRYSTALS.

Percent Volati

les by Volume:0 %

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

Stability Indicator/Materials to Avoid:YES

NO INCOMPATIBILITY DATA FOUND.

Stability Condition to Avoid:NO INCOMPATIBILITY DATA FOUND.

Hazardous Decomposition Products:THERMAL DECOMPOSITION PRODUCTS MAY
INCLUDE TOXIC AND HAZARDOUS SULFUR OXIDES.

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

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL
APPLICABLE FEDERAL,
STATE AND LOCAL LAWS AND REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this
information to their
particular situation.