

IMC AMERICHEM -- NICKEL SULFATE HEXAHYDRATE -- 6810-00-281-2684

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

Product ID:NICKEL SULFATE HEXAHYDRATE

MSDS Date:04/01/1991

FSC:6810

NIIN:00-281-2684

MSDS Number: BHKCJ

=== Responsible Party ===

Company Name:IMC AMERICHEM

Address:5129 UNRUH AVENUE

City:PHILADELPHIA

State:PA

ZIP:19135-2910

Country:US

Info Phone Num:215-335-0990

Emergency Phone Num:215-335-0990, CH

EMTREC:800-424-9300

CAGE:0H8V2

=== Contractor Identification ===

Company Name:IMC AMERICHEM

Address:5129 UNRUH AVE

Box:City:PHILADELPHIA

State:PA

ZIP:19135-2910

Country:US

Phone:215-335-0990/800-424-9300(CHEMTREC)

CAGE:0H8V2

Company Name:NATIONAL INDUSTRIAL PRODUCTS CORP

Address:1400 TAYLORS LN

City:RIVERTON

State:NJ

ZIP:08077

Country:US

Phone:609-786-7300

CAGE:0P668

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

Ingred Name:NICKEL SULFATE (SARA III)

CAS:7786-81-4

RTECS

#:QR9350000  
Fraction by Wt: 99%  
OSHA PEL:1 MG NI/M3  
ACGIH TLV:0.1 MG NI/M3; 9293  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 275 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 RESPIRATORY TRACT, SENSITIZATION DERMATITIS, CONJUNCTIVA,  
R  
EDNESS 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 =====

Extinguishing Media:N/R.  
Unusual Fire/Explosion Hazard:NONE

===== 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.

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===== 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.

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===== 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/MIST 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 PRACTICES 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.

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

HCC:N1

Melt/Freeze Pt:M.P/F.P Text:1292F,700C

Decomp

Temp:Decomp Text:1292F,700C

Spec Gravity:2.07

Solubility in Water:62 G/100CC

Appearance and Odor:ODORLESS, GREEN CRYSTALS

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

Stability Indicator/Materials to Avoid:YES  
NONE

Stability Condition to Avoid:NONE

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

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

Waste Disposal Methods:DISPOSAL SHOULD B

E MADE IN ACCORDANCE WITH ALL  
APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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