

OCTAGON PROCESS INC. -- NICKEL SULFATE -- 6810-00-281-2684

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Product Identification
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Product ID:NICKEL SULFATE
MSDS Date:01/01/1987
FSC:6810
NIIN:00-281-2684
MSDS Number: BRZXV
=== Responsible Party ===
Company Name:OCTAGON PROCESS INC.
Address:596 RIVER ROAD
City:EDGEWATER
State:NJ
ZIP:07020-1105
Country:US
Info Phone Num:201-313-1187/FAX -1057 (CAROL)
Emergency Phone Num:201-945-9400/8
00-424-9300(CHEMTREC)
CAGE:82925
=== Contractor Identification ===
Company Name:OCTAGON PROCESS INC.
Address:596 RIVER ROAD
Box:City:EDGEWATER
State:NJ
ZIP:07020
Country:US
Phone:201-945-9400
CAGE:82925

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Composition/Information on Ingredients
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Ingred Name:NICKEL SULFATE HEXAHYDRATE
CAS:10101-97-0
RTECS #:QR9600000
Fraction by Wt: > 99.0%
Other REC Limits:NONE SPECIFIED BY M.
OSHA PEL:0.1 MG/M3 (NI)
ACGIH TLV:0.1 MG/M3 (NI); 8990

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Hazards Ident
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ification =====

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 275 MG/KG

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

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

Health Hazards Acute and Chronic:ACUTE-INHALATION:IRRITATION OF UPPER RESPIRATORY TRACT. SKIN:IRRITATION, SENSITIZATION. EYES:IRRITATION. INGESTION:IRRITATION OF GI TRACT., MAY BE HARMFUL IN LARGE QUANTITIES. CHRONIC: DERMATITIS, CONJUNCTIVITIS.

Explanation of Carcinogenicity:NTP & IARC INDICATE SUFFICIENT EVIDENCE

OF NICKEL AND CERTAIN NICKEL COMPOUNDS TO BE SUSPECTED CARCINOGENS EXCEPT NiSO4.

Effects of Overexposure:INHALATION:COUGHING. SKIN:IRRITATION, ITCHING. EYES:REDNESS, TEARING, PAIN. INGESTION: EPIGASTRIC PAIN, WEAKNESS, DELIRIUM, CONVULSIONS.

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.

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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 LARGE QUANTITIES OF WATER IF CONSCIOUS. GET IMMEDIATE MEDICAL ATTENTION.

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Fire Fighting Measures =====

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

Fire Fighting Procedures:MOVE CONTAINER FROM FIRE AREA IF POSSIBLE. DO NOT SCATTER SPILLED MATERIAL WITH HIGH PRESSURE WATER STREAMS. DIKE FOR LATER DISPOSAL.

Unusual Fire/Explosion Hazard:NONE. USE AGENTS SUITABLE FOR TYPE OF SURROUNDING FIRE. AVOID BREATHING HAZARDOUS VAPORS OR DUSTS, KEEP UPWIND.

===== Accidental Release Measures

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Spill Release Procedures:WEAR NIOSH APPROVED RESPIRATOR. SHOVEL UP INTO CONTAINERS FOR DISPOSAL. VACUUM UP RESIDUE. DO NOT FLUSH TO SEWER OR WATERWAY.

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Handling and Storage

Handling and Storage Precautions:STORE IN A COOL, DRY AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions:DO NOT TAKE INTERNALLY. AVOID PROLONGED OR REPEATED BREATHING OF DUST. AVOID CONTACT WITH EYES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. FOR INDUSTRIAL USE ONLY.

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Exposure Controls/Personal Protection

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

Ventilation:MECHANICAL (GENERAL) ROOM VENTILATION IS NORMALLY ADEQUATE.

LOCAL EXHAUST MAY BE REQUIRED IF WORK AREA NOT VENTED.

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 O

R REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO

NOT WEAR CONTACT LENSES UNDER DUSTY CONDITIONS..

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Physical/Chemical Properties

HCC:V1

Melt/Freeze Pt:M.P/F.P Text:128F,53C

Vapor Pres:0.0

Spec Gravity:2.07

Solubility in Water:40% @ 20C

Appearance and Odor:BLUE OR EMERALD GREEN, CRYSTALS, ODORLESS

Percent Volatiles by Volume:NIL

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Stability and Reactivity Data

Stability Indicator/Materials to Avoid:YES

NONE KN

OWN.

Stability Condition to Avoid:HIGH TEMPERATURES.

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.

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