

SPECTRUM CHEMICAL MFG. CORP. -- NICKEL CHLORIDE -- 6810-00-726-9306

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

Product ID:NICKEL CHLORIDE

MSDS Date:06/23/1999

FSC:6810

NIIN:00-726-9306

MSDS Number: CKSWG

=== Responsible Party ===

Company Name:SPECTRUM CHEMICAL MFG. CORP.

Address:14422 SOUTH SAN PEDRO STREET

City:GARDENA

State:CA

ZIP:90248-2027

Country:US

Info Phone Num:310-516-8000

Emergency Phone Num:31

0-516-8000

Resp. Party Other MSDS Num.:CODE: N3250/ CATAGLO NO: N1050,N1051

Preparer's Name:G. A. BINAS

Chemtec Ind/Phone:(800)424-9300

CAGE:63415

=== Contractor Identification ===

Company Name:COMPTECH CORP

Address:15944 DERWOOD RD

Box:City:ROCKVILLE

State:MD

ZIP:20855

Country:US

Phone:800-284-5279; 301-519-3401

Contract Num:SP0-450-01-M-322

CAGE:0BR38

Company Name:INDUSTRIAL CHEMICAL COMMODITIES INC

Address:15944 DERWOOD RD

Box:City:ROCKVILLE

State:MD

ZIP:20855

Country:US

Phone:800-284-5279

Contract Num:SP0450-00-M-SH27
CAGE:1ELU0
Company Name:SPECTRUM LABORATORY PRODUCTS INC
Address:14422 S SAN PEDRO ST
Box:City:GARDENA
State:CA
ZIP:90248-2027
Country:US
Phone:310-516-8000/FAX: 310-516-9843
CAGE:63415

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

Ingred Name:NICKEL(II) CHLORIDE HEXAHYDRATE
CAS:7791-20-0
RTECS #:QR6480000
= Wt:100.
Other REC Limits:0.1 MG/M3 TWA

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

LD50 LC50 Mixture:ACUTE O
RAL RAT: LD50< 157 MG/KG
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:ACUTE: VERY HAZARDOUS IN CASE OF SKIN CONTACT (IRRITANT, SENSITIZER), EYE CONTACT (IRRITANT), INHALATION. SEVERE OVEREXPOSURE CAN RESULT IN DEATH. CHRONIC:TOXIC TO KIDNEYS, LUNGS, NERVOUS SYSTEM & MUCOUS MEMBRANES. TARGET ORGANS: KIDNEYS, LUNGS, NERVOUS SYSTEM AND MUCOUS MAMBRANES.
Explanation of Carcinogenicity:CLASSIFIED AS A1(CONFIRMED HUMAN CARCINOGEN) BY AC GIH, 1 (PROVEN FOR HUMAN) BY IARC, AND PROVEN BY OSHA. CALSSIFIED 2 (REASONABLEY ANTICIPATED) BY NTP.
Effects of Overexposure:IRRITATION OF EYES, SKIN AND RESPIRATORY SYSTEM. INFLAMMATION OF EYES IS CHARACTERIZED BY REDNESS, WATERING AND ITCHING. SKIN: ITCHING, SCALING, REDDENING, OR OCCASIONALLY BLISTERING.
Medical Cond Aggravated by Exposure:NONE PROVIDED BY MFR.

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

First Aid:EYE:REMOVE ANY CONTACT LENSES. IMME

DIATELY FLUSH EYES WITH

RUNNING WATER FOR AT LEAST 15 MINS KEEPING EYELIDS OPEN. DO NOT USE AN EYE OINTMENT. SEEK MEDICAL HELP. SKIN: WASH IMMEDIATELY WITH SOAP & WATER. CLEAN FOLDS, CREVICES, CREASES & GROIN. COVER THE IRRITATED SKIN WITH AN EMOLLENT. IF IRRITATION PERSISTS, SEEK MEDICAL HELP. INHALTION: REMOVE TO FRESH AIR. GET MEDICAL HELP. INGESTION: DO NOT INDUCE VOMITING. IF NOT BREATHING, GIVE MOUTH TO MOUTH RESUSCITATION, GET MEDICAL HELP.

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

Autoignition Temp:Autoignition Temp Text:NOT AP
Lower Limits:NOT APPLICAB
Upper Limits:NOT APPLICAB
Fire Fighting Procedures:NOT AVAILABLE
Unusual Fire/Explosion Hazard:NOT AVAILABLE

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

Spill Release Procedures:SM: USE APPROPRIATE TOOLS TO PUT THE SPILLED SOLID IN A CONVENIENT WASTE DISPOSAL CONTAINER. LG: USE A SHOVEL TO PUT THE MAIERIAL INTO A CONVENIENT WAST DISPOSAL CONTAINER. BE CAREFUL THAT THE PRODUCT IS NOT PRESENT AT A CONCENTRATION LEVEL ABOVE TLV. CHECK TLV ON THE MSDS & WITH LOCAL AUTHORITIES.
Neutralizing Agent:NONE PROVIDED BY MFR.

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

Handling and Storage Precautions:STORAGE: KEEP CONTAINER TIGHTLY CLOSED. KEEP IN A COOL, WELL-VENTILATED PLACE. HIGHLY TOXIC OR INFECTIOUS MATERIALS SHOULD BE STORED IN A SEPARATE LOCKED SAFETY STORAGE CABINET OR ROOM.

Other Pre

cautions:KEEP LOCKED UP. DO NOT INGEST. DO NOT BREATHE DUST. IN CASE OF INSUFFICIENT VENTILATION, WEAR SUITABLE RESPIRATORY EQUIPMENT. IF INGESTED, SEEK MEDICAL ADVICE IMMEDIATELY & SHOW THE CONTAINER OR THE LABEL . AVOID CONTACT WITH SKIN & EYES.

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

Respiratory Protection:DUST RESPIRATOR. BE SURE TO USE AN APPROVED/CERTIFIED RESPIRATOR OR EQUIVALENT. A SELF CONTAINED BREATHING APPARATUS SHOULD BE USED TO AVO

ID INHALATION OF THE
PRODUCT.

Ventilation:USE PORCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, OR OTHER
ENGINEERING CONTROLS TO KEEP AIRBORNE LEVELS BELOW RECOMMENDED
EXPOSURE LIMITS.

Protective Gloves:NONE PROVIDED BY MFR.

Eye Protection:SPLASH GOGGLES

Other Protective Equipment:LAB COAT, FULL SUIT, BOOTS, GLOVES

Work Hygienic Practices:NONE PROVIDED BY MFR.

Supplemental Safety and Health

NONE PROVIDED BY MFR.

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

HCC:

T4

Boiling Pt:B.P. Text:NOT AVAILABLE

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

Decomp Temp:Decomp Text:NONE PROVIDED BY MFR.

Vapor Density:NOT AVAILA

Spec Gravity:3.6 (WATER=1)

pH:NOT AVAILABLE

Viscosity:NOT AVAILABLE

Evaporation Rate & Reference:NONE PROVIDED BY MFR.

Solubility in Water:SOLUBLE IN COLD WATER

Appearance and Odor:SOLID (DELIQUESCENT CRYSTALS SOLID), GREEN COLOR,
NO ODOR INFO AVAILABLE

Percent Volatiles by Volume:NONE PROVIDE

Corrosion Rate:NONE PROVIDED BY MFR

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

Stability Indicator/Materials to Avoid:YES

NOT AVAILABLE

Stability Condition to Avoid:NOT AVAILABLE

Hazardous Decomposition Products:NONE PROVIDED BY MFR.

===== Toxicological Information =====

Toxicological Information:ACUTE ORAL TOXICITY LD50 (RAT) = 157 MG/KG

===== Ecological Information =====

Ecological:ECOTOXICITY: NO INFORMATION AVAILABLE. PRODUCTS OF
BIODEGRADATION:

POSSIBLY HAZARDOUS SHORT TERM DEGRADATION PRODUCTS ARE NOT LIKELY. HOWEVER, LONG TERM DEGRADATION PRODUCTS MAY ARISE. TOXICITY OF THE BIODEGRADATION PRODUCTS: THE PRODUCTS OF DEGRADATION ARE AS TOXIC AS THE ORIGINAL PRODUCT.

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

Waste Disposal Methods:RECYCLE TO PROCESS, IF POSSIBLE. CONSULT YOUR LOCAL OR REGIONAL AUTHORITIES.

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===== MSDS Transport Information =====

Transport Inform
ation:PSN: TOXIC SOLID, INORGANIC, N.O.S. (NICKEL CHLORIDE), 6.1, UN3288, III.

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===== Regulatory Information =====

SARA Title III Information:SARA 313 TOXIC CHEMICAL NOTIFICATION AND RELEASE REPORTING: NICKEL CHLORIDE. CERCLA HAZARDOUS SUBSTANCE: NICKEL CHLORIDE.

Federal Regulatory Information:LISTED ON TSCA INVENTORY: NICKEL CHLORIDE.

State Regulatory Information:CALIFORNIA PROP 65: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS, OR OTHER REPRODUCTIVE HARM. (CA HEALTH & SAFETY CODE SEC 25249.6): NICKEL CHLORIDE . PENNSYLVANIA RTK AND MASSACHUSETTE RTK ; NICKEL CHLORIDE.

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