

MALLINCKRODT INC SCIENCE PRODUCTS DIVISION -- NICKEL CHLORIDE -- 6810-00-201-1802
===== Product Identification =====

Product ID:NICKEL CHLORIDE

MSDS Date:07/30/1985

FSC:6810

NIIN:00-201-1802

MSDS Number: BQGMD

=== Responsible Party ===

Company Name:MALLINCKRODT INC SCIENCE PRODUCTS DIVISION

Address:PARIS BYPASS

Box:M

City:PARIS

State:KY

ZIP:40361

Country:US

Info Phone Num:606-987-7000

Emergency P

hone Num:606-987-7000

CAGE:62910

=== Contractor Identification ===

Company Name:MALLINCKRODT SPECIALTY CHEMICALS CO

Address:222 RED SCHOOL LANE

Box:City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Phone:908-859-2151

CAGE:62910

Company Name:SHAPE PRODUCTS

Address:1127 57TH AVE.

Box:City:OAKLAND

State:CA

ZIP:94621-4427

Country:US

Phone:510-534-1186 OR 800-444-0015

CAGE:3D869

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

Ingred Name:NICKEL CHLORIDE (SARA III)

CAS:7718-54-9

RTECS #:QR6475000
Other REC Limits:NONE RECOMMENDED
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:TLV: 0.1 MG (NI)/M3
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION-IRRITATING TO THE MUCOUS
MEMBRANES. INGESTION-IRRITATING TO THE DIFESTIVE TRACT. SKIN-MAY
CAUSE SKIN IRRITATION. ABSORPTION IS POOR, BUT SYMPTOMS MAY INCLUDE
GIDDINESS, CAPILLARY DAMAGE, MY OCARDIAL WEAKNESS, CNS DEPRESSION,
& KIDNEY & LIVER DAMAGE. EYE-IRRITATING TO THE EYES.
Explanation of Carcinogenicity:NICKEL CHLORIDE IS A CANCER SUSPECT
AGENT.
Effects of Overexposure:INHALATION-METALLIC TASTE IN THE MOUTH AND SORE
THROAT. INGESTION-ABDOMINAL APIN, DIARRHEA, NAUSEA & VOMITING.
SKIN-SOME INDIVIDULAS MAY SUFFER "NICKEL ITCH", A FORM OF
DERMATITIS. EYE-MAY
PRODUCE RED NESS, PAIN & POSSIBLLY EYE DAMAGE.
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN
DISORDERS OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE
TO THE EFFECTS OF THE SUBSTANCE.

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

First Aid:EYES: FLUSH WITH RUNNING WATER FOR 15 MINUTES WHILE HOLDING
EYELIDS OPEN. GET MEDICAL ATTENTION IMMEDIATELY. SKIN: WASH WITH
SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. GET MEDICAL ADVIC
E.
INHALATIO N: REMOVE TO FRESH AIR. GIVE MOUTH-TO-MOUTH RESUSCITATION
IF NOT BREATHING. GET MEDICAL ATTENTION. INGESTION: INDUCE VOMITING
BY GIVING 2 GLASSES OF WATER & STICKING FINGER DOWN THROAT. SEE
PHYSICIAN.

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

Extinguishing Media:USE ANY MEANS SUITABLE FOR EXTINGUISHING
SURROUNDING FIRE.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPAR

ATUS WITH FULL FACEPIECE

OPERATED IN THE PRESSURE DEMAND MODE.

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

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

Spill Release Procedures:VENTILATE AREA OF SPILL OR LEAK, CLEAN-UP PERSONNEL REQUIRE PROTECTIVE CLOTHING & RESPIRATORY PROTECTION FROM DUST. PICK UP & PLACE IN A SUITABLE CONTAINER FOR RECLAMATION OR DISPOSAL IN A METHOD THAT DOES NOT GENERATE DUST.

===== Hand
ling and Storage =====

Handling and Storage Precautions:KEEP IN TIGHTLY CLOSED CONTAINER, STORED IN A COOL, DRY, VENTILATED AREA. PROTECT FROM PHYSICAL DAMAGE. ISOLATE FROM INCOMPATIBL SUBSTANCES.

Other Precautions:SOLUTIONS ARE ACIDIC. AREAS IN WHICH EXPOSURE TO NICKEL METAL OR SOLUBLE NICKEL COMPOUNDS MAY OCCUR SHOULD BE IDENTIFIES BY SIGNS OR APPROPRIATE MEANS AND ACCESS TO THE AREA SHOULD BE LIMITED TO AUTHOR IZED PERSONS.

===== Exposure Contro
ls/Personal Protection =====

Respiratory Protection:IF THE TLV IS EXCEEDED, A DUST/MIST RESPIRATOR WITH CHEMICAL GOGGLES MAY BE WORN, IN GENERAL, UP TO TEN TIMES THE TLV. CONSULT RESPIRATOR SUPPLIER FOR LIMITATIONS.

Ventilation:A SYSTEM OF LOCAL EXHAUST IS RECOMMENDED TO KEEP EMPLOYEE EXPOSURE BELOW THE AIRBORNE EXPOSURE LIMITS.

Protective Gloves:NEOPRENE OR RUBBER GLOVES

Eye Protection:SAFETY GOGGLES OR FULL FACE SHIELD

Other Protective Equipment:ADDITIONAL PROTECTION INCL UDING IMPERVIOUS

BOOTS, APRON OR COVERALLS, AS NEEDED IN AREAS OF UNUSUAL EXPOSURE.

Work Hygienic Practices:EATING, DRINKING & SMOKING SHOULD NOT BE PERMITTED IN AREAS WHERE SOLIDS OR LIQUIDS CONTAINING SOLUBLE NICKEL IS HANDLED

Supplemental Safety and Health

NIOSH RECOMMENDS PRE-PLACEMENT AND PERIODIC MEDICAL EXAMS, WITH MAINTAINING OF RECORDS FOR ALL EMPLOYEES EXPOSED TO NICKEL IN THE WORKPLACE.

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

HCC:T4

N

RC/State Lic Num:NOT RELEVANT

Melt/Freeze Pt:=1001.1C, #####F

Solubility in Water:SOLUBLE IN WATER

Appearance and Odor:YELLOW OR LIGHT GREEN DELIQUESCENT CRYSTALS.

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

Stability Indicator/Materials to Avoid:YES

VIOLENT REACTION WITH POTASSIUM.

Stability Condition to Avoid:SUBSTANCE WITLL PICK UP MOISTURE FROM AIR
& GO INTO SOLUTION IF EXPOSED IN OPEN CONTAINER. A WATER SOLUTION
IS ACIDIC.

Hazardous Decomposition Products:

WHEN HEATED TO DECOMPOSITION, EMITS
VERY TOXIC FUMES OF CHLORIDES.

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

Waste Disposal Methods:WHATEVER CANNOT BE SAVED FOR RECLAMATION MAY BE
DISPOSED IN A RCRA APPROVED HAZARDOUS WASTE FACILITY. ENSURE
COMPLIANE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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