

MALLINCKRODT INC., SCIENCE PRODUCTS DIV -- NICKEL(II) SULFATE HEXAHYDRATE --  
6810-00-237-2909

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

Product ID:NICKEL(II) SULFATE HEXAHYDRATE

MSDS Date:08/07/1985

FSC:6810

NIIN:00-237-2909

MSDS Number: BMTWN

=== Responsible Party ===

Company Name:MALLINCKRODT INC., SCIENCE PRODUCTS DIV

Box:M

City:PARIS

State:KY

ZIP:40361-0315

Country:US

Info Phone Num:314-895-2000

Emer

gency Phone Num:314-982-5000

CAGE:1BF21

=== Contractor Identification ===

Company Name:MALLINCKRODT INC., SCIENCE PRODUCTS DIV

Box:M

City:PARIS

State:KY

ZIP:40361-0315

Country:US

Phone:314-982-5000

CAGE:1BF21

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 SULFATE HEXAHYDRATE

CAS:10101-97-0

RTECS #:QR9600000

Fraction by Wt: 100%  
Other REC Limits:NONE SPECIFIED BY M.  
OSHA PEL:0.1 MG/M3 (NI)  
ACGIH TLV:0.1 MG/M3 (NI); 8990

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE-MAY CAUSE IRRITATION TO THE  
EYES, SKIN AND PULMONARY TRACT. INGESTION:IRRITATION TO GI TRACT,  
CNS DEPRESSION, KIDNEY AND LIVER DAMAGE.  
Explanation of Carcinogenicity:SOME NICKLE COMPOUNDS ARE ANTICIPATED TO  
BE CARCINOGENIC.  
Effects of Overexposure:INGESTION: DIARRHEA,NAUSEA,VOMITING.  
EYES/SKIN:IRRITATION AND DISCOMFORT, EYE DAMAGE. INHALATION:COUGHING,  
SOAR THROAT AND SHORTNESS OF BREATH.  
Medical Cond Aggravated by Exposure:SKIN DISORDERS, ASTHMA AND OTHER  
PULMONARY DISEASES.

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

First Aid:SKIN:WASH W.SOAP & WATER. EYES:FLUSH WITH WATER FOR 15 MIN.  
INGESTION:GIVE 2  
-3 GLASSES OF WATER; INDUCE VOMITING. CALL A  
PHYSICIAN. INHALATION: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF  
NEED. KEEP WARM & QUIET. REMOVE CONTAMINATED CLOTHING. IF  
UNCONSCIOUS, DO NOT GIVE ANYTHING BY MOUTH.

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

Flash Point:NONE  
Extinguishing Media:EXTINGUISH WITH AGENT SUITABLE FOR SURROUNDING FIRE  
Fire Fighting Procedures:FIRE FIGHTERS SHOULD BE EQUIPED WITH  
SELF-CONTAINED BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard:NOT CONSIDERED TO BE AN EXPLOSION HAZARD.

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

Spill Release Procedures:VENTILATE AREA. USE APPROP RESPIRATORY  
PROTECTION. AVOID CREATING DUST. VACUUM UP & CONTAINERIZE FOR  
RECLAMATION OR DISPOSAL. VACUUMING OR WET SWEEPING MAY BE USED TO  
AVOID DUST DISPERSAL.

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

Handling and Storage Precautions:STORE IN COOL,DRY,WELL VENTILATED  
AREA.

PROTECT FROM PHYSICAL DAMAGE.AVOID ANY PHYSICAL CONTACT. KEEP  
CONTAINERS TIGHTLY CLOSED

Other Precautions:ISOLATE FROM OXIDIZERS.

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

Respiratory Protection:NONE NORMALLY REQUIRED. UNDER DUSTY CONDITIONS  
USSE DUST MASK/RESPIRATOR. FOR EMERGENCY,USE SCBA.

Ventilation:LOCAL EXHAUST

Protective Gloves:IMPERVIOUS

Eye Protection:SAFETY GLASSES

Other Protective Equipment:WEAR CLEAN BODY-COVRG CLOTHES.KEEP EYE WASH/  
SHOWER AVA

ILABLE

Work Hygienic Practices:DO NOT EAT IN WORK AREA.

Supplemental Safety and Health

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

HCC:C3

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:1544F DECOM

Melt/Freeze Pt:M.P/F.P Text:212F,100C

Spec Gravity:2.07

Solubility in Water:62% APPRECIABLE

Appearance and Odor:DEEP GREEN TRANSPARENT CRYSTALS.ODORLESS.

Percent Volatiles by Volume:00

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

Stability Indica

tor/Materials to Avoid:YES

NO INFORMATION FOUND.

Stability Condition to Avoid:EXCESSIVE HEAT & MOISTURE

Hazardous Decomposition Products:WHEN HEATED TO DECOMPOSITION IT EMITS  
OXIDES OF SULFUR

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

Waste Disposal Methods:DISPOSAL MUST BE MADE IN COMPLIANCE WITH  
LOCAL,STATE & FEDERAL REGULATIONS.

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