

WARDS NATURAL SCIENCE ESTABLISHMENT INC -- MAGNESIUM NITRATE, HEXAHYDRATE --
6810-00-264-8963

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

Product ID:MAGNESIUM NITRATE, HEXAHYDRATE

MSDS Date:11/20/1992

FSC:6810

NIIN:00-264-8963

MSDS Number: CDZFN

=== Responsible Party ===

Company Name:WARDS NATURAL SCIENCE ESTABLISHMENT INC

Address:5100 W HENRIETTA RD

Box:92912

City:ROCHESTER

State:NY

ZIP:14692

Country:US

Info Phone Num:716-359-2502

Emergency Phone Num:716-359-2502

Preparer's Name:ALEXANDER A. PICCIRILLI

CAGE:63759

=== Contractor Identification ===

Company Name:WARDS NATURAL SCIENCE ESTABLISHMENT INC

Address:5100 W HENRIETTA RD

Box:92912

City:ROCHESTER

State:NY

ZIP:14692-9012

Country:US

Phone:(716) 359-2502

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

Ingred Name:MAGNESIUM NITRATE,HEXAHYDRATE

CAS:13446-18-9

RTECS #:OM3756000

Fraction by Wt: 100%

Other REC Limi

ts:NONE RECOMMENDED

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

LD50 LC50 Mixture:PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE:MAY CAUSE LOCAL IRRITATION.
SKIN:MAY CAUSE LOCAL IRRITATION. INHALATION:DUST OR MIST MAY CAUSE
LOCAL IRRITATION. INGESTION:MAY CAUSE DIURESIS & PERHAPS CATHARSIS.
SOME EXTREME CASES MAY SHOW
CYANO SIS, FALLING BLOOD PRESSURE,
HEADACHE, FLUSH SKIN, VOMITING, DIZZINESS.
Explanation of Carcinogenicity:MANUFACTURER GAVE NO INFORMATION ABOUT
CARCINOGENICITY. HMIS FOUND NO LISTING & DOES NOT EXPECT IT TO BE
CARCINOGENIC.
Effects of Overexposure:EYE:IRRITATION. SKIN:IRRITATION.
INHALATION:RESPIRATORY IRRITATION. INGESTION:DIURESIS, CATHARSIS,
CYANOSIS, FALLING BLOOD PRESSURE, HEADACHE, FLUSH SKIN, VOMITING,
DIZZINESS.
Medical Cond Aggravated by Exposure:MFR GAVE NO
INFORMATION OF MSDS.

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

First Aid:IF ANY IRRITATION PERSISTS OR SEVERE, GET MEDICAL ATTENTION.
EYE:FLUSH W/WATER FOR 15 MIN. SKIN:WASH W/SOAP & WATER. REMOVE
CONTAMINATED CLOTHING & LAUNDER BEFORE REUSE. INHALED:REMOVE FROM
EXPOSURE. AID OR RESTORE BREATHING AS NEEDED. INGESTED:IF
CONSCIOUS, GIVE WATER & INDUCE VOMITING AS DIRECTED BY MEDICAL
PERSONNEL. IMMEDIATELY CALL PHYSICIAN OR POISON CENTER. NOTHING BY
MOUTH IF UNCONSCIOUS.

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

Flash Point:NON-FLAMMABLE
Lower Limits:N/A.
Upper Limits:N/A.
Extinguishing Media:USE WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL
(ABC).
Fire Fighting Procedures:WEAR NIOSH APPPROVED SELF-CONTAINED BREATHING
APPARATUS. AVOID SPLASHING MOLTEN MATERIAL. FLOOD W/LARGE AMOUNTS
OF WATER IN EARLY STAGES.
Unusual Fire/Explosion Hazard:STRONG OXIDIZER. CONTACT WITH OTHER
MATERIAL MAY CAUSE FIR

E. FIRE OR EXCESSIVE HEAT MAY PRODUCE
HAZARDOUS DECOMPOSITION PRODUCTS. INCREASES BURNING RATES.

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

Spill Release Procedures:RECOVER FOR USE IF NOT CONTAMINATED. DISOLVE
IN WATER & FLUSH TO SEWER W/COPIOUS AMOUNTS OF WATER.
Neutralizing Agent:MFR GAVE NO INFORMATION OF MSDS.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, VENTILATED PLACE
AWAY FROM COMBUSTIBLE MATERIALS & CLOTHING. KEEP CONTAINER TIGHTLY
CLOSED. WASH THOROUGHLY AFTER HANDLING.
Other Precautions:KEEP OUT OF REACH OF CHILDREN. READ LABEL BEFORE
USING. FOR LABORATORY USE ONLY. NOT FOR DRUG, FOOD OR HOUSEHOLD
USE. DO NOT WEAR CONTACT LENSES WHILE USING. AVOID CONTACT W/SKIN
OR EYES. REMOVE & WASH CONTAMINATED CLOTHING.

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

Respiratory Protection:NONE SHOULD BE NEEDED IN NORMAL LABORATORY
HANDLING. IF DUSTY CONDITIONS OCCUR, WORK IN A FUME HOOD OR WEAR A
NIOSH/MSHA APPROVED DUST RESPIRATOR OR DUST MASK.
Ventilation:USE OF MECHANICAL (GENERAL) VENTILATION RECOMMENDED.
Protective Gloves:RUBBER
Eye Protection:CHEMICAL SAFETY GLASSES
Other Protective Equipment:GOGGLES, SMOCK, APRON, EYE WASH STATION,
PROPER GLOVES, FIRE EXTINGUISHER.
Work Hygienic Practices:MFR GAVE NO INFORMATION OF MSDS.
Supplemental Safety and Health
NONE

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

HCC:D2
NRC/State Lic Num:NONE
Boiling Pt:B.P. Text:DECOMPOSES
Melt/Freeze Pt:M.P/F.P Text:203F,95C
Vapor Pres:H2O ONLY
Vapor Density:H2O ONLY
Spec Gravity:1.464
Evaporation Rate & Reference:N/A.
Solubility in Water:44 GM/100 ML
Appearance and Odor:WHITE OR COLORLESS CRYSTALS - ODORLESS
Percent Volatiles by Volume:N/A.

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

Stability Indicator/Materials to Avoid:YES
REDUCING AGENTS, OXIDIZABLE OR COMBUSTI

BLE MATERIALS. I.E. ORGANICS,
ALUMINUM, CYANIDES.

Stability Condition to Avoid:TEMPREATURES 330C & HIGHER. ANHYDROUS FORM
DECOMPOSES AT 330C.

Hazardous Decomposition Products:TOXIC NITRIC ACID FUMES & AT TIMES
NOX. MAY YIELD HAZARDOUS MIST IN 110-330C

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISCHARGE, TREATMENT, OR DISPOSAL MAY BE SUBJECT
TO NATIONAL, STATE, OR LOCAL LAWS. THE
GUIDELINES ARE FOR CATALOG
QUANTITIES ONLY. SMALL QUANTITIES MAY BE FLUSHED TO SEWER OR IF
UNCONTAMINATED, IN A SANITARY LANDFILL.

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