

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

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City:ROCHESTER

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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 & LAUNDRER 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  
AWA  
Y 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 & WAS H 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 Properti  
es =====

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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