

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

CAGE:63759

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

Ingred Name:MAGNESIUM NITRATE,HEXAHYDRATE

CAS:13446-18-9

RTECS #:OM3756000

Fraction by Wt: 100%

Other REC Limit

s:NONE RECOMMENDED

=====
===== 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 C

YANO 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.

=====
===== 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.

=====
===== 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 FIRE

. 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 & 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 Propertie
s =====

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 COMBUSTIB

LE 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 G
UIDELINES ARE FOR CATALOG
QUANTITIES ONLY. SMALL QUANTITIES MAY BE FLUSHED TO SEWER OR IF
UNCONTAMINATED, IN A SANITARY LANDFILL.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should
seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.