

## **MAGNESIUM NITRATE 37E2451**

### **MSDS Number**

BXGDV

### **National Stock Number**

6810-00D003550

### **Product Name**

MAGNESIUM NITRATE 37E2451

### **Manufacturer**

WARD'S NATURAL SCIENCE ESTABLISHMENT INC

### **Product Identification**

Product ID:MAGNESIUM NITRATE 37E2451

MSDS Date:11/20/1992

FSC:6810

NIIN:00D003550

MSDS Number: BXGDV

### **Responsible Party**

WARD'S NATURAL SCIENCE ESTABLISHMENT, INC.

ROCHESTER , NY 14692-9012

US

Emergency Phone: 800-424-9300(CHEMTREC)

Info Phone: 716-359-2502(CHEMTREC)

Preparer: ALEXANDER A. PICCIRILLI

Cage: EO227

### **Contractor**

WARDS NATURAL SCIENCE ESTABLISHMENT INC

92912

ROCHESTER, NY 14692-9012

US

(716) 359-2502

Cage: 63759

### **Ingredients**

MAGNESIUM NITRATE

CAS: 13446-18-9

Fraction By Weight: 100%

### **Hazards**

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:DANGER! STRONG OXIDIZER! HARMFUL IF SWALLOWED. INHAL:DUST/MIST MAY CAUSE LOCAL IRRIT. INGEST:MAY CAUSE DIURESIS & PERHAPS CATHARSIS.SOME EXTREME CASES MAY SHOW CYANOSIS (BLUE SKIN) & FALLING BLOOD PRE SSURE INDICATED BY HEAD, FLUSH SKIN, VOMIT, DIZZ. SKIN:CONC AQU SOLN/DUST MAY CAUSE LOC IRRIT. EYE:MAY CAUSE LOC IRRIT.

Effects of Overexposure:HARMFUL IF INGESTED. LOCAL IRRITATION. DIURESIS & CATHARSIS. CYANOSIS, FALLING BLOOD PRESSURE INDICATED BY HEADACHES, FLUSH SKIN, VOMITING, DIZZINESS. LOCAL SKIN/EYE IRRITATION.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

## First Aid

First Aid:EYES:FLUSH THOROUGHLY W/WATER FOR 15MINS. IRRIT DEVELOPS/PERSIST GET MED ATTN. SKIN:FLUSH W/WATER THEN WASH W/SOAP/WATER. INHAL:REMOVE TO FRESH AIR.BREATHING DIFFICULT GIVE OXY BY TRAINED PERSONNEL. I NGEST:IF CONSC GIVE 1 OR 2 GLASSES OF WATER TO DRINK, INDUCE VOMITING.REPEAT TIL VOMIT FLUID IS CLEAR.CALL PHYSICIAN.

## Fire Fighting

Flash Point:NON-FLAMM  
Extinguishing Media:WATER SPRAY, CARBON DIOXIDE (CO2), DRY CHEMICAL (ABC).  
Fire Fighting Procedures:IN FIRE CONDITIONS WEAR NIOSH-APPROVED SELF-CONTAINED BREATH APPARATUS & PROTECTIVE CLOTH.AVOID SPLATTERING MOLTEN MATL.FLOOD W/LG AMTS OF WATER IN EARYL STAGES  
Unusual Fire/Explosion Hazard:STRONG OXIDIZER!CONTACT W/OTHER MATLS MAY CAUSE FIRES.FIRE/EXCESSIVE HEAT MAY PRODUCE HAZ DECOMPOSITION PRODUCTS.GREATLY INCREASES BURNING RATE OF COMBUST MATL.

## Accidental Release

Spill Release Procedures:RECOVER FOR USE IF NOT CONTAMINATED. DISSOLVE IN WATER & FLUSH TO SEWER W/COPIOUS AMTS OF WATER.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:STORE IN COOL,DRY,PLACE AWAY FROM COMBUSTIBLE MATLS,HEAT/SPARKS,OPEN FLAMES.  
Other Precautions:AVOID CONTACT W/SKIN & EYES. REMOVE CONTAMINATED CLOTHING PROMPTLY. FOR LABORATORY USE ONLY. NOT FOR DRUG,FOOD,HOUSEHOLD USE.KEEP OUT OF REACH OF CHILDREN. READ LABEL ON CONTAINER BEFORE USING.

## Exposure Controls

Respiratory Protection:NONE SHOULD BE NEEDED IN NORMAL LABORATORY HANDLING. IF DUSTY CONDITIONS PREVAIL WORK IN VENTILATION HOOD OR WEAR NIOSH-APPROVED DUST MASK.  
Ventilation:LOCAL EXHAUST:NOT NEEDED. MECHANICAL (GENERAL):RECOMMENDED.  
Protective Gloves:RUBBER GLOVES.  
Eye Protection:CHEMICAL SAFETY GLASSES.  
Other Protective Equipment:GOGGLES,SMOCK,APRON,EYEWASH STATION,PROPER GLOVES,FIRE EXTINGUISHER.  
Work Hygienic Practices:DECONTAMINATE CLOTH/SHOES BEFORE REUSE. WASH THOROUGHLY AFTER HANDLING. DO NOT WEAR CONTACT LENSES WHEN WORKING W/CHEM.  
Supplemental Safety and Health

## Chemical Properties

HCC:D1  
Boiling Pt:B.P. Text:DECOM @330C  
Melt/Freeze Pt:M.P/F.P Text:203F,95C  
Decomp Temp:Decomp Text:626F,330C  
Vapor Pres:WATER VAP  
Vapor Density:WATER VAP  
Spec Gravity:1.464 @25C  
Evaporation Rate & Reference:NON-VOLATILE  
Solubility in Water:44G/100ML @20C  
Appearance and Odor:WHITE OR COLORLESS CRYSTALS; NO ODOR.  
Percent Volatiles by Volume:NOTVOL

## Stability

Stability Indicator/Materials to Avoid:YES  
REDUCING AGENTS, OXIDIZABLE & COMBUSTIBLE MATLS. EXAMPLES:EASILY OXIDIZABLE ORGANICS, ALUMINUM DUST, CYANIDES.  
Stability Condition to Avoid:TEMPS OF 330C AND OVER. (ANHYDROUS FORM DECOMPOSES THERE.)

Hazardous Decomposition Products:TOXIC NITRIC ACID FUMES & SOMETIMES NITROGEN TETROXIDE ARE REPORTED. ALSO MAY YIELD HAZ MIST IN RANGE 110-330C.

## Disposal

Waste Disposal Methods:DISCHARGE/TREATMET/DISPOSAL MAY BE SUBJ TO FED/STATE/LOC LAWS.FOLLOWING GUIDELINES FOR DISPOSAL OF CATALOG-SIZE QUANT ONLY:SM QUANT MAY BE DISPOSED OF BY FLUSHIONG INTO SEWER OR IF UNCONTAMINATED MAY BE DISPOSED OF IN SANITARY LANDFILL.

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