

**AERCHEM INC.**  
**320 North Walnut**  
**Bloomington, IN 47404**

Tel: 812.334.9996      Fax: 812.334.1960      Emergency: 800.424.9300

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**SECTION 1: IDENTIFICATION**

**Effective Date:** 6/98  
**Product Name:** MAGNESIUM NITRATE HEXAHYDRATE  
**Synonyms:** Dusicnan Hoecnaty (Czech) \* Nitric Acid, Magnesium Salt, Hexahydrate  
**CAS No.:** 13446-18-9

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**SECTION 2: HAZARDS IDENTIFICATION:**

LABEL PRECAUTIONARY STATEMENTS:  
OXIDIZING  
IRRITANT  
CONTACT WITH COMBUSTIBLE MATERIAL MAY CAUSE FIRE.  
IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.  
TARGET ORGANS:  
BLOOD  
CENTRAL NERVOUS SYSTEM  
KEEP AWAY FROM COMBUSTIBLE MATERIAL

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**SECTION 3: PHYSICAL DATA**

Odor: n/a  
Appearance: solid  
Melting point.: 90 - 100C  
Boiling point: n/a  
Decomposition temperature: n/a  
pH (depends on quality): n/a  
Solubility in water: water-soluble, ethanol-soluble  
Specific gravity (water = 1) 1.464  
Vapor density: n/a  
Vapor pressure: n/a

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**SECTION 4: FIRE AND EXPLOSION DATA**

Flash point: n/a  
Flammable limit: n/a  
Flammability: n/a  
Extinguishing media: water spray  
Fire fighting procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.  
Unusual fire and explosions hazards:  
Emits toxic fumes under fire conditions.  
May accelerate combustion.  
Contact with combustible material may cause fire.

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**SECTION 5: REACTIVITY DATA**

Stable   X        Unstable \_\_\_\_\_  
**Decomposition byproducts:** Toxic fumes of Nitrogen Oxides  
**Incompatibilities/Condition to Avoid:**  
Strong reducing agents  
Strong acids  
Organic materials  
Finely powdered metals  
Dimethylformamide

**Hazardous Polymerization:** n/a

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**SECTION 6: SPILLAGE AND DISPOSAL PROCEDURES**

**Spillage:** Evacuate area. Wear a self-contained breathing apparatus, rubber boots and heavy rubber gloves. Cover with dry lime or soda ash, pick up, keep in a closed container and hold for waste disposal. Ventilate area and wash spill site after material is picked up.



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Only selected registry of toxic effects of chemical substances (RTECS) data is presented here. See actual entry in RTECS for complete information.

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**SECTION 11: ECOLOGICAL INFORMATION:**

DATA NOT YET AVAILABLE

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**SECTION 12: REGULATORY INFORMATION**

EUROPEAN INFORMATION:

CAUTION: SUBSTANCE NOT YET FULLY TESTED.

OXIDIZING

IRRITANT

R8

CONTACT WITH COMBUSTIBLE MATERIAL MAY CAUSE FIRE.

R26/37/38

IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

S17

KEEP AWAY FROM COMBUSTIBLE MATERIAL.

S26

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.

S36

WEAR SUITABLE PROTECTIVE CLOTHING.

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**SECTION 13: OTHER INFORMATION:**

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. AERCHEM SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT.

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