

MATERIAL SAFETY DATA SHEET

Section 1 - PRODUCT IDENTIFICATION

Producter is: WENTONG POTASSIUM SALT GROUP CO., LTD
Product Name: Magnesium nitrate
Synonyms: Magnesium (II) nitrate (1:2); Nitric acid, magnesium salt (2:1)
Manufacturer: WENTONG POTASSIUM SALT GROUP CO., LTD
14F,NO.353 JIAMUSI ROAD, YANGPU SHANGHAI 200433, CHINA
TEL: 86-21-61007878
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Date: March 2014

Section 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	content	EINECS#
10377-60-3	Magnesium nitrate	>98%	233-826-7

Hazard Symbols: O
Risk Phrases: 8

Section 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Contact with combustible material may cause fire.

Potential Health Effects

Eye: May cause severe eye irritation.

Skin: May cause severe skin irritation.

Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

Inhalation: May cause severe irritation of the respiratory tract with sore throat, coughing, shortness of breath and delayed lung edema.

Chronic: No information found.

Section 4 - FIRST AID MEASURES

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical aid immediately.

Skin: Get medical aid. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water.
Get medical aid immediately.

Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Get medical aid.

Notes to Physician: Treat symptomatically and supportively.

Section 5 - FIRE FIGHTING MEASURES

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Strong

oxidizer. Contact with combustible materials may cause a fire. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media: Use water only! Autoignition Temperature: Not available.

Flash Point: Not available.

NFPA Rating: Not published.

Explosion Limits, Lower: Not available.

Upper: Not available.

Section 6 - ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal. Flush down the spill with a large amount of water.

Section 7 - HANDLING and STORAGE

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with skin and eyes. Avoid ingestion and inhalation.

Storage: Do not store near combustible materials. Store in a cool, dry place.

Keep containers tightly closed.

Section 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls: Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

Skin: Wear appropriate gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29CFR 1910.134. Always use a NIOSH-approved respirator when necessary.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid

Appearance: colorless or white

Odor: None reported

pH: Not available.

Vapor Pressure: Not available.

Vapor Density: Not available.

Evaporation Rate: Not available.

Viscosity: Not available.

Boiling Point: Not available.

Freezing/Melting Point: Not available.

Decomposition Temperature: Not available.

Solubility: Soluble in water.

Specific Gravity/Density: Not available.

Molecular Formula: N₂O₆Mg

Molecular Weight: 148.3148

Section 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials, combustible materials.

Incompatibilities with Other Materials: Dimethyl formamide; reducing agents.

Hazardous Decomposition Products: Oxides of nitrogen.

Hazardous Polymerization: Has not been reported

Section 11 - TOXICOLOGICAL INFORMATION

RTECS#: CAS# 10377-60-3: OM3750000 LD50/LC50:

Not available.

Carcinogenicity: Magnesium nitrate - Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

See actual entry in RTECS for complete information.

Section 12 - ECOLOGICAL INFORMATION

For further information, contact Fisher Scientific.

Section 13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - TRANSPORT INFORMATION

CDG/CPL

Shipping Name: MAGNESIUM NITRATE

Hazard Class: 5.1

UN Number: 1474

Packing Group: III

IMO

No information available.

IATA

No information available.

RID/ADR

No information available.

Canadian TDG

No information available.

Section 15 - REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: O

Risk Phrases: R 8 Contact with combustible material may cause fire.

Safety Phrases: WGK (Water Danger/Protection)

CAS# 10377-60-3: 1

Canada

CAS# 10377-60-3 is listed on Canada's DSL/NDSL List.

WHMIS: Not available.

CAS# 10377-60-3 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

US FEDERAL

TSCA

CAS# 10377-60-3 is listed on the TSCA inventory.