

MATERIAL SAFETY DATA SHEET

Magnesium Citrate Product

Date Prepared: February 25, 2000

SECTION I - PRODUCT IDENTIFICATION

Product Name: Magnesium Citrate Product

Manufacturer: E-Z-EM, Inc.
717 Main Street
Westbury, NY 11590

Emergency/Information

Contact: Judy Hauser

Emergency/Information

Telephone: (516)333-8230 extension 377

Product Codes: 3070, 3075

Note: For information on product codes 3066, 6863, contact Perrigo Company at (615) 459-8900

SECTION II- COMPONENTS

	<u>CAS No.</u>	<u>%(optional)</u>
Magnesium Carbonate	546-93-0	Proprietary
Citric Acid	5949-29-1	Proprietary
Potassium Citrate	6100-05-6	Proprietary
Sodium Saccharin	128-44-9	>0.1%
Artificial/Natural Flavors and Sweeteners		Proprietary

For information on the bisacodyl suppositories contact Paddock Labs at (612) 546-4676 and for information on the bisacodyl tablets contact Time Cap Labs at (516) 753-9090.

SECTION III - PHYSICAL DATA

Boiling Point: N/A

Specific Gravity (H₂O = 1): N/A

Vapor Pressure (mm Hg): N/A

Melting Point: N/A

Vapor Density (Air = 1): N/A

Evaporation Rate (Butyl Acetate = 1): N/A

MATERIAL SAFETY DATA SHEET

Magnesium Citrate Product

Solubility in Water: Magnesium carbonate is insoluble in water, the other ingredients are soluble.

Appearance & Odor: Orange granules, slight orange odor.

 SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (method): N/A Flammable Limits: UEL - N/A LEL - N/A

Fire Extinguishing Media: Use extinguishing media that is suitable for surrounding fire.

Special Fire Fighting Procedures: Firefighters should wear full protective equipment and self-contained breathing apparatus with full face piece.

Unusual Fire & Explosion Hazards: None known

Toxic Gases Emitted: carbon monoxide, carbon dioxide, metallic oxides.

 SECTION V - REACTIVITY DATA

Stability: Stable Conditions to avoid: High heat

Incompatible materials: Acids, strong oxidizers.

Decomposition products: Not Tested Hazardous Polymerization: Will not occur

 SECTION VI - HEALTH HAZARD DATA

Permissible Exposure Limit (PEL) for nuisance dust: Total Dust - 15 mg/m³ Time Weighted Average (TWA)
Respirable dust - 5 mg/m³ TWA

Threshold Limit Value (TLV): Total Dust: 10 mg/m³ TWA

Short-Term Exposure Limit (STEL): Not Established

Routes of Exposure: Inhalation, Ingestion

MATERIAL SAFETY DATA SHEET

Magnesium Citrate Product

SECTION VI - HEALTH HAZARD DATA contd.

Health Hazards (acute and chronic): Through normal routes of entry, not expected to be a hazard.

In some cases where skin and eye contact occurs, product may cause irritation. No adverse health effects expected from chronic exposure.

Carcinogenicity: Crystalline silica is listed by IARC as a Class 2A carcinogen based on limited evidence in humans and sufficient evidence in animals. Crystalline silica is also listed by the NTP as a substance reasonably anticipated to be a carcinogen.

NTP: Yes IARC: Yes OSHA: No

Sodium saccharin is listed by the NTP as a substance reasonably anticipated to be a carcinogen.

NTP: Yes IARC: No OSHA: No

Effects of exposure: May cause eye and skin irritation. If exposure levels are exceeded via inhalation, difficulty in breathing may occur. If large quantities are ingested, will cause diarrhea and abdominal pain.

Medical conditions generally aggravated by exposure: None known when used as directed.

Emergency and First Aid procedures: Eye contact - Flush with water for at least 15 minutes, seek

medical attention..

Skin contact - wash area thoroughly with soap and water.

If irritation persists, seek medical attention.

If ingested - when taken in proper dosage, there is no cause for concern. If large quantities, seek medical attention immediately.

SECTION VII - SPILL AND DISPOSAL INFORMATION

Steps to be taken in case material is released or spilled:

MATERIAL SAFETY DATA SHEET

Magnesium Citrate Product

Wear appropriate protective equipment, such as nitrile gloves and safety goggles. Sweep up the product and place in an appropriate container. Try to minimize the amount of dust generated. Label container appropriately.

Waste Disposal Procedures:

Products are not listed hazardous wastes under RCRA. Products are not likely to qualify as characteristic hazardous wastes, but any final determination depends on the specific circumstances of product usage and handling. Disposal should take place in compliance with federal, state and local laws and regulations.

SECTION VIII - HANDLING AND STORAGE PRECAUTIONS

Store in a dry and cool environment with the temperature at 50EF - 70EF. Avoid unnecessary skin contact or inhalation.

Do not smoke, eat or drink while handling products. Practice good industrial and personal hygiene to avoid unnecessary exposure. Use only under the supervision of a physician.

SECTION IX - PROTECTIVE EQUIPMENT

Respiratory Protection: If exposure levels are exceeded, use a dust respirator.

Ventilation: Use adequate local exhaust ventilation to keep dust levels as low as possible. Local exhaust is recommended when exposure levels may be exceeded.

Protective Gloves: Appropriate gloves.

Eye Protection: Safety goggles or glasses.

Emergency Equipment: Always ensure there is an emergency eye wash in the area.

Disclaimer: The information contained in this Material Safety Data Sheet is believed to be correct, but does not purport to be all inclusive, and should only be used as a guide. E-Z-EM Inc. or subsidiaries of shall not be held liable for any damage resulting from the handling or contact with these products.

MATERIAL SAFETY DATA SHEET

Magnesium Citrate Product

This is an electronic document. Any alteration to the original renders this document invalid. The holder shall be held liable for any alterations made to this document.