

AERCHEM INC.
320 S Walnut St.
Bloomington, IN 47404

Telephone: 812.334.9996

Fax: 812.334.1960

Emergency: 800.424.9300

SECTION 1: IDENTIFICATION

Effective Date: 1/23/97
Product Name: MAGNESIUM CITRATE DIBASIC
Common Name:

Chemical Formula: C₆H₆MgO₇ · 5H₂O
CAS No.: 3344-18-1

SECTION 2: HAZARDOUS INGREDIENTS:

Acute: Slightly dangerous to dangerous in case of ingestion, of inhalation. Very slightly to slightly dangerous in case of skin contact (irritant), of eye contact (irritant).

SECTION 3: PHYSICAL DATA

Physical Data:

Appearance and Odor:	solid
Boiling point:(760 mmHg)	n/a
Vapor Pressure (mmHg):	n/a
Specific Gravity (Water = 1):	n/a
Solubility in water:(by weight)	soluble in cold water
Melting Point:	decomposes
Volatility:	n/a
Vapor Density:	n/a

SECTION 4: FIRE AND EXPLOSION DATA

Fire and Explosion Information:

Flash point:	n/a
Flammable limit:	n/a
Extinguishing Media:	small fire: Use dry chemicals, CO ₂ , water spray or foam Large fire: Use water spray, fog, or foam. Do not use water jet
Unusual Fire and Explosion Hazards:	n/a

SECTION 5: REACTIVITY DATA

Reactivity Data:

Stable Unstable

Conditions to Avoid:

Non-corrosive in presence of glass.

Incompatibilities:

n/a

Hazardous Decomposition or byproducts:

Products of biodegradation are carbon oxides and some metallic oxides, both which are more toxic than starting substance

Hazardous Polymerization:

no

SECTION 6: HEALTH HAZARD DATA

Threshold Limit Value (TLV): n/a
Permissible Exposure Limit:
Toxicity: n/a
Oral LD50 (rat):
NTP:
IARC Monographs:

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SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES**First Aid:**

Eyes: Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used.
Skin: Remove contaminated clothing quickly. Place victim under deluge shower. If on skin, gently wash with cold running water and non-abrasive soap. Cover irritated skin with emollient. Seek medical attention if irritation persists.
Inhalation: Allow victim to rest in well ventilated area. Seek immediate medical attention.
Ingestion: Remove any dentures. Have conscious person drink several glasses of water or milk. Induce vomiting by sticking finger in throat.
Spillage: Use appropriate tools to put spilled solid in convenient waste disposal container. Finish cleaning by spreading water on contaminated surface and dispose of according to local regional authority requirements.
Disposal: Recycle to process, if possible. Consult your local or regional authorities.

SECTION 8: PRECAUTION TO BE TAKEN IN HANDLING AND STORING

Other Precautions: Keep away from heat, sources of ignition, and oxidizing agents. Keep in dry, cool place. Ground all material containing material. Don't breathe dust. Wear suitable protective clothing and respiratory equipment.

SECTION 9: SPECIAL PROTECTION INFORMATION

Ventilation: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume mist, use ventilation to keep exposure to airborne contaminants below exposure limit.
Eye Protection: safety glasses
Protective Gloves: if a large spill occurs
Respiratory Protection: MSHA/NIOSH approved dust respirator
Other Protective Gear: lab coat

SECTION 10: TRANSPORT INFORMATION

DOT classification: not a DOT controlled material (US)
DOT pictograms: none