

According to the Hazard Communication Standard (29 CFR 1910.1200)

SECTION 1: Product and Company Identification

Product identifier Magnesium sulfate
Other means of identification None
Synonym(s) None
Recommended use Agriculture fertilizer
Recommended restrictions None known.
Company Southern Agricultural Insecticides, Inc.
P.O. Box 218
Palmetto, FL 34220
Company Telephone/Fax: (941) 722-3285/(941) 723-2974
Emergency Telephone Number: (800) 424-9300 (CHEMTREC)

SECTION 2: Hazard(s) Identification**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Not a hazardous substance or mixture.

GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

Hazards not otherwise classified (HNOC) or not covered by GHS

no data available

SECTION 3: Composition/Information on Ingredients**Substances**

Chemical name: Sulfuric acid magnesium salt (1: 1), monohydrate
Common name: Magnesium sulfate monohydrate
CAS No. 14168-73-1
ECNo. -

Hazardous components

Component	Classification	Concentration
Sulfuric acid magnesium salt (1: 1), monohydrate	none	-

All intentionally added ingredients are either listed on TSCA or are exempt from listing.

SECTION 4: First-aid Measures**Description of necessary first-aid measures****General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

Remove from exposure. In severe cases, or if recovery is not rapid or complete seek medical attention.

In case of skin contact

Rinse with plenty of water. Remove contaminated clothing and wash before reuse. If irritation persists seek medical attention.

In case of eye contact

Irrigate thoroughly with water for at least 10 minutes. Obtain medical attention.

If swallowed

Wash out mouth with water. Do not induce vomiting. If patient is conscious, give water to drink. If patient feels unwell seek medical attention

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

Indication of immediate medical attention and special treatment needed

no data available

SECTION 5: Fire-fighting Measures**Extinguishing media****Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

Sulphur oxides, Magnesium oxide

Special protective equipment and precautions for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

SECTION 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapors, mist or gas. For personal protection see section 8.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7: Handling and Storage

Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Keep in a dry place.

SECTION 8: Exposure controls/personal protection

Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Individual protection measures, such as personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection

Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type NI00 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

SECTION 9: Physical and chemical properties

Appearance:

Form: powder Color: white

Odor:	no data available
Odor threshold:	no data available
pH:	no data available
Melting point/freezing point:	150°C (302 OF)
Initial boiling point and boiling range:	no data available
Flash point:	no data available
Evaporation rate:	no data available
Flammability (solid, gas):	non flammable
Upper/lower flammability or explosive limits:	no data available
Vapor pressure:	no data available
Vapor density:	no data available
Relative density:	2.57 g/ml, at 25°C (77 OF)
Solubility(ies) :	no data available
Partition coefficient n-octanol/water:	no data available
Auto-ignition temperature:	no data available
Decomposition temperature:	150°C (302 OF)
Viscosity:	no data available

SECTION 10: Stability and Reactivity

Reactivity	no data available
Chemical stability	no data available
Possibility of hazardous reactions	no data available
Conditions to avoid	Heat.
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	no data available

SECTION 11: Toxicological Information

Information on toxicological effects

Acute toxicity:

Oral:	no data available
Inhalation:	no data available
Dermal:	no data available
Other information on acute toxicity:	LD50 Subcutaneous - rat - 1200 mg/kg

Skin corrosion/irritation: no data available

Serious eye damage/irritation: Effects on Newborn: Growth statistics (e.g., reduced weight gain).
Effects on Newborn: Physical.

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1 is identified as a known or anticipated carcinogen by IARC

OSHA: No component of this product present at levels greater than or equal to 0.1 is identified as a carcinogen or potential carcinogen by OSHA.

NTP: No component of this product present at levels greater than or equal to 0.1 is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity: no data available
STOT -single exposure: no data available
STOT-repeated exposure: no data available
Aspiration hazard: no data available

SECTION 12: Ecological Information

Toxicity

Toxicity to fish no data available
Toxicity to daphnia and other aquatic invertebrates: no data available
Toxicity to algae: no data available
Toxicity to microorganisms: no data available

Persistence and degradability no data available
Bioaccumulative potential no data available
Other adverse effects no data available

SECTION 13: Disposal Considerations

Product Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging Dispose of as unused product.

SECTION 14: Transport Information

DOT (US) Not dangerous goods.
IMDG Not dangerous goods.
IATA Not dangerous goods.

SECTION 15: Regulatory Information

TOXIC SUBSTANCE CONTROL ACT (TSCA) Inventory

Listed or exempted.

SARA Title III (EPCRA) 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA Title III (EPCRA) 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Chronic Health Hazard.

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

US State Regulations

- New Jersey Right To Know - Right to Know Hazardous Substance List (RTKHSL) Not listed.

- Massachusetts Right To Know - MASSACHUSETTS SUBSTANCE LIST (MSL) Not listed.
- Pennsylvania RTK - HAZARDOUS SUBSTANCE LIST Not listed.

SECTION 16: Other Information

Training Advice

Provide sufficient information, guidance and training to operating personnel.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Southern Agricultural Insecticides, Inc. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Southern Agricultural Insecticides, Inc. has been advised of the possibility of such damages.