

MAGNESIUM SULFATE MATERIAL SAFETY DATA SHEET

Manufacturer's Name & Address
Southern Agricultural Insecticides, Inc.
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I NOMENCLATURE

Product Name: MAGNESIUM SULFATE
Chemical Name: Magnesium sulfate heptahydrate
Synonyms: Epsom salt, agricultural grade

II INGREDIENTS

	CAS #	nominal %	OSHA PEL	ACGIH TLV
Magnesium sulfate	7487-88-9	95%	NA	NA
PNOR (particulates not otherwise regulated)			total dust) 10mg/m ³	respirable dust) 5 mg/m ³

III PHYSICAL PROPERTIES

Boiling Point: NA	Specific Gravity: (water=1)approx.1.67
Vapor Pressure: NA	Percent Volatile: NA
Vapor density: NA	Evaporation Rate: NA
Solubility In Water: approx. 91 grams/100 ml @40°C	Reactivity in Water: salt ionizes
Appearance/Odor: Off white powder, slight musty odor.	

IV FIRE AND EXPLOSION DATA

Flash Point: Non combustible. Flammable Limits: NA Lel NA Uel NA
Extinguishing Media: Non combustible.
Special Fire Fighting Procedures: Use positive pressure supplied air breathing apparatus.
Unusual Fire & Explosion Hazards: At very high temperatures, magnesium oxide, sulfur dioxide and sulfur trioxide may be generated.

V HEALTH HAZARD DATA AND FIRST AID

FIRST AID for eye exposure: Flush eyes a gentle stream of clean water for at least 15 minutes. Hold eye lids apart to ensure washing underside of lids. Remove contact lenses while rinsing. If irritation persists, get medical attention.
.First Aid for SKIN Exposure: Remove contaminated clothing and wash all exposed skin surfaces thoroughly with flowing water. If irritation develops, see a physician. No adverse effects expected.
First Aid for INHALATION: Remove from exposure. If breathing difficulty develops, see a physician.
First aid if SWALLOWED: Low toxicity. If large amount is ingested and victim is conscious, give drinking water, then induce vomiting by sticking finger down throat. Seek medical attention.
SYMPTOMS of OVEREXPOSURE: Minor eye irritation with no corneal injury expected. Only minor skin irritation expected. Dust may be slightly irritating. Systemic effects are catharsis and vomiting.
Note to physician: May cause mild eye irritation. Stain for evidence of corneal injury.
Skin: No effect expected. Respiratory: May cause mild irritation.
Oral: May cause abdominal cramps and/or diarrhea and nausea and vomiting.
Chronic hazard: none known. Not listed by OSHA, IARC, NTP, as a carcinogen.
Medical Conditions Aggravated by exposure: Ingestion of large amounts by persons with impaired renal function may cause serious effects.

VI REACTIVITY

Stability: Stable. On exposure to dry air loses 1 molecule of water. Further water loss at higher temperatures. Rapidly reabsorbs moisture. Keep in closed containers and store in dry place.
Conditions to Avoid: None expected.
Hazardous Decomposition Products: Magnesium oxide, sulfur dioxide and sulfur trioxide at very high temperatures.
Hazardous Polymerization: Does not Occur.

VII SPILL OR LEAK PROTECTION

Steps To Be Taken If Spilled: Isolate spill. If possible, recover and use according to label instructions, otherwise shovel into a suitable waste container. Keep dust to a minimum.

Waste Disposal: Material that can not be used according to label instructions Disposal of material must be made according to local, State, and Federal disposal regulations. If allowable material may be buried or dug into ground away from water sources.

VIII SPECIAL PROTECTION

Respiratory: Type/Conditions: Where dust exposure occurs and/or when exposure guidelines would be exceeded wear a NIOSH approved dust respirator.

Ventilation: When application would be made in confined area use local exhaust ventilation.

Gloves: Impervious gloves if contact with material is repeated or prolonged.

Eye Protection: Safety glasses with side shields or goggles. Eyewash station should be available.

Avoid unnecessary contact.: Wear freshly laundered, body covering work clothing. Do not wear contaminated clothing. Wash thoroughly after handling. Avoid container damage. Do not put leaking or damaged containers in storage. KEEP OUT OF REACH OF CHILDREN Do not contaminate waters by cleaning equipment or disposal of waste.

IX TRANSPORTATION & SELECTED REGULATIONS

Not regulated by DOT Freight classification

SARA TITLE !!!: Not a listed toxic chemical under sections 302, 304, or 313

Not listed under CERCLA No RCRA waste number assigned

This information relates solely to the designated product and is not inclusive for combinations with other materials. This information is given without warranty or representation. Information is based on data we believe to be correct as of the date hereof. This information is furnished solely for your consideration, investigation, and verification. Before using any product READ THE LABEL.

Re: The PQ Corp. MSDS #1289A Merck Index 11th Ed, CFR 29 1910.1200 7/95,
CFR 40 370/372 1/95 CFR49 parts 171-172-173 JJKeller Regulatory Cross Ref: