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MATERIAL SAFETY DATA SHEET EPSOM SALT MAGNESIUM SULFATE, USP

Revised 1/8/08

SECTION I

IDENTIFICATION OF PRODUCT

Manufacturer:	P.Q. Corporation
Distributor:	Aaron Industries Incorporated
Address:	P.O. Box 305 Clinton, SC
Emergency Phone (Chemtrec):	(800) 424-9300
Chemical Names:	Magnesium Sulfate, heptahydrate
Trade Name:	Epsom Salt Magnesium Sulfate, USP
TSCA CAS Registry No.:	10034-99-8 (Hydrates are considered
under TSCA as mixtures of the anhydrous	salt and water)
DOT Hazardous Class:	N.A.
DOT Shipping Name:	N.A.

SECTION II

PHYSICAL DATA

Appearance and Odor:	Colorless transparent crystals. Odorless.
Specific Gravity (liquids only):	N.A. (Bulk density is 1.05)
Solubility in Water:	Appreciable.
Vapor Pressure (mm Hg at °F, nonaqueous liquids only):	N.A.
Evaporation Rate (Butyl acetate = 100, nonaqueous liquids only):	N.A.
Solid Content:	N.A.
Boiling Point (°F, nonaqueous liquids only):	N.A.
Vapor Density (nonaqueous liquids only):	N.A.
pH (aqueous liquids only):	N.A.

SECTION III

FIRE AND EXPLOSION HAZARD DATA

Flash Point (°F)	N.A. (material is non-combustible)
Flammable Limits (vapor in air, Vol.%)	N.A.
Fire Extinguishing Media	N.A.
Special Fire Fighting Procedures:	Use positive pressure supplied air breathing apparatus.

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SECTION III

FIRE AND EXPLOSION HAZARD DATA

Unusual Fire and Explosion Hazards: At very high temperatures, magnesium oxide, sulfur dioxide, and sulfur trioxide may be generated

SECTION IV

REACTIVITY DATA

Stability: Stable.
Conditions to Avoid: N.A.
Incompatibility (Materials to Avoid): N.A.
Hazardous Decomposition Products: At very high temperatures, magnesium oxide, sulfur dioxide, and sulfur trioxide may be generated.

SECTION V

SPILL OR LEAK PROCEDURES

Environmental Hazard: No adverse effects known or suspected. Not a listed toxic chemical under SARA Title III, 302, 304, or 313.
Spillage: Sweep, scoop, or vacuum discharged material.
Waste Disposal Method: Not a RCRA Hazardous waste. Dissolve in large excess of water and sewer, or land-fill according to local, state, and federal regulations.

SECTION VI

HEALTH HAZARD DATA

Eye Contact: May cause irritation.
Skin Contact: No adverse effects known or suspected.
Inhalation: May cause irritation.
Ingestion: Purgative. Causes nausea, vomiting, abdominal cramps, and diarrhea.
Chronic Hazard: No known chronic hazards. Not listed by OSHA, NTP, or IARC as a carcinogen.

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SECTION VI

HEALTH HAZARD DATA

Signs and Symptoms of Exposure:

Sneezing and dryness of mucuous membranes (inhalation). Pain, redness, and tearing (eye exposure). Nausea, vomiting, abdominal cramps, and diarrhea (ingestion).

Medical Conditions Aggravated by Exposure:

Ingestion of large amounts by persons with impaired renal functions may cause serious systemic effects.

First Aid Procedures:

Induce vomiting if large amounts are ingested. Call Physician.

SECTION VII

SPECIAL PROTECTION INFORMATION

Respiratory Protection:

N.A.

Gloves:

N.A.

Eye Protection:

Wear safety glasses with side shields or chemical goggles.

Other Protective Equipment:

Safety shower and eyewash fountain should be within direct access.

Personal Hygiene:

Avoid breathing dust. Wash thoroughly after handling.

Engineering Control:

Use with adequate ventilation.

SECTION VIII

**SUBSTANCES FOR WHICH
STANDARDS HAVE BEEN SET**

OSHA Permissible Exposure Limit or ACGIH Threshold Limit Value have not been established. P.Q. recommended Ceiling limit 5mg/m Respirable dust.

Exposure Analysis Methods:

Respirable sampler or Midget impinger see: J. Am. Ind. Hyg. Assoc., 28:554 (1967)

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NOTICE

This Material Safety Data Sheet is based on a limited review of various files and standard toxicology handbooks.

This information herein is furnished without warranty of any kind. This information should be used only as a supplement to information already in your possession concerning this product. The determination of whether and under what conditions this product should be used by you or your employees is yours to make.