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Item# 0395-0807
EPSOM SALT

DATE ISSUED: 04/10/07

SECTION I IDENTIFICATION

Product Name/Trade Name: Epsom Salt

Chemical Names: Magnesium Sulfate,heptahydrate

TSCA CAS Registry No.: 10034-99-8 (Hydrates are considered under TSCA as mixtures of the anhydrous salt and water)

DOT Hazardous Class: NA

DOT Shipping Name: NA

Emergency Telephone Number: 1-800-424-9300

SECTION II PHYSICAL DATA

Appearance & Odor: Colorless transparent crystals. Odorless.

Specific Gravity (liquids only): NA (bulk density is 1.05)

Vapor Pressure (mm Hg @ °F, nonaqueous liquids only): NA

Solubility in Water: Appreciable

pH (nonaqueous liquids only): NA

Boiling Point (°F, nonaqueous liquids only): NA

Vapor Density (nonaqueous liquids only): NA

Evaporation Rate (Butyl Acetate = 100, nonaqueous liquids only): NA

SECTION III FIRE & EXPLOSION DATA

Flash Point (°F): NA (material in non-combustible)

Flammable Limits (vapor in air, Vol. %): NA

Extinguishing Media: NA

Special Fire Fighting Procedures: Use positive pressure supplies air breathing apparatus.

Unusual Fire & 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: NA

Incompatibility (Materials to Avoid): NA

Hazardous Decomposition Products: At very high temperatures, magnesium oxide, sulfur dioxide, and sulfur trioxide may be generated.

SECTION V SPILL OR LEAK PROCEDURE

Environmental Hazard: No adverse effects known or suspected. Not a listed toxic chemical under SARA Title III, Section 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 landfill according to local, state, and federal regulations.

SECTION VI HEALTH HAZARDS

Inhalation: May cause irritation.

Skin: No adverse effects known or suspected.

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.

Signs & Symptoms of Exposure: Sneezing & dryness of mucous membranes (inhalation). Pain, redness, and tearing (eye exposure). Nausea, vomiting, abdominal cramps, and diarrhea (ingestion).

Medical Conditions Generally Aggravated by Exposure: Ingestion of large amounts by persons with impaired renal functions may cause serious systemic effects.

Emergency & First Aid Procedures: Induce vomiting if large amounts are ingested. Call physician.

SECTION VII**SPECIAL PROTECTION INFORMATION**

Respiratory Protection: NA

Protective Gloves: NA

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 5 mg/m³ Respirable dust.

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

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.