

002618 ✓

Document 0724A

THE PQ CORPORATION
MATERIAL SAFETY DATA SHEET

Cautionary Code 01P

RECEIVED OCT 08 2012

SECTION 1. IDENTIFICATION OF PRODUCT

MANUFACTURER: THE PQ CORPORATION
ADDRESS: 11 EXECUTIVE MALL, P.O. BOX 840, VALLEY FORGE, PA 19482
EMERGENCY TELEPHONE NUMBER: (215) 293-7200
SALES NAME: Epsom Salt Magnesium Sulfate, U.S.P.
CHEMICAL NAME: Magnesium sulfate, heptahydrate
TSCA CAS REGISTRY No.: 7487-88-9
DOT HAZARD CLASS: N.A.
DOT SHIPPING NAME: N.A.

SECTION 2. PHYSICAL DATA

APPEARANCE & 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.
SOLIDS CONTENT: (solutions, dispersions, or pastes only): N.A.
BOILING POINT (°F, nonaqueous liquids only): N.A.
VAPOR DENSITY (nonaqueous liquids only) N.A.
PH (aqueous liquids only): N.A.

SECTION 3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (°F): N.A. (material is noncombustible)
FLAMMABLE LIMITS (vapor in air, Vol.%): N.A.
FIRE EXTINGUISHING MEDIA: N.A.
SPECIAL FIRE FIGHTING PROCEDURES: Use positive pressure supplied air breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS: At very high temperatures, magnesium oxide, sulfur dioxide, and sulfur trioxide may be generated.

SECTION 4. 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.

N.A. = Not Applicable
Page 1 of 2

SECTION 5.

SPILL OR LEAK PROCEDURES

ENVIRONMENTAL HAZARD: No adverse effects known or suspected.
SPILLAGE: Sweep, scoop, or vacuum discharged material.
WASTE DISPOSAL METHOD: Dissolve in large excess of water and sewer, or landfill according to local, state and federal regulations.

SECTION 6.

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.
SIGNS AND SYMPTOMS OF EXPOSURE: Sneezing and dryness of mucous membranes (inhalation). 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 function may cause serious systemic effects.
FIRST AID PROCEDURES: Induce vomiting if large amounts are ingested. Call a physician.

SECTION 7.

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 8. SUBSTANCES FOR WHICH STANDARDS HAVE BEEN SET

OSHA Permissible Exposure Limit or ACGIH Threshold Limit Value have not been established. PQ 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)

SECTION 9.

SOURCE OF INFORMATION

John G. Blumberg

Product Safety Coordinator

Date: 10/05/88

N.A. - Not Applicable
Page 2 of 2