

# Material Safety Data Sheet

## J. R. Simplot Company

### AgriBusiness

M77340

Trade Name: PHT Che-Magnesium 2.5%  
Registration No: None

#### SECTION 1 CHEMICAL PRODUCT AND COMPANY INFORMATION

Manufactured For: J.R. Simplot Company  
P.O. Box 70013  
Boise, ID 83707  
Emergency Phone - Chemtrec: 1-800-424-9300

Product Name: PHT Che-Magnesium 2.5%  
Common Name: Liquid Fertilizer Solution  
Chemical Type: Liquid Fertilizer Solution

#### SECTION 2 COMPOSITION INFORMATION

| Chemical Name and Synonyms          | C.A.S. No. | Chemical Formula | WT%  | TLV                                     | PEL        |
|-------------------------------------|------------|------------------|------|---|------------|
| Blend of the following ingredients: |            |                  | 100% |   |            |
| Magnesium oxide                     | not listed | not listed       |      | 10 mg/m <sup>3</sup> inhalable fraction | not listed |
| Potassium Hydroxide                 | not listed | not listed       |      | C 2 mg/m <sup>3</sup> STEL              | not listed |
| EDTA                                | not listed | not listed       |      |   |            |

#### SECTION 3 HAZARDS IDENTIFICATION

**Ingestion:** Harmful if swallowed.  
**Inhalation:** Inhalation of mist may cause aggravation of the upper respiratory tract.  
**Eye Contact:** Aggravation to eyes.  
**Skin Contact:** May cause discomfort. Prolonged or repeated exposure may lead to reddening of skin, rash, dermatitis, or other skin reactions.

**Conditions Aggravated by Exposure:** None known. Pre-existing respiratory conditions may be aggravated by exposure to mists.

#### SECTION 4 FIRST AID MEASURES

**Ingestion:** Seek medical attention or call a poison control center immediately.  
**Inhalation:** Remove person to fresh air and support breathing as needed. Seek medical attention if discomfort persists.  
**Eyes:** Flush with clean water for at least 15 minutes. Lift eyelids to facilitate irrigation. Seek medical attention if discomfort persists.  
**Skin:** Remove contaminated clothing and wash before re-using. Flush skin with water, and then wash with soap and water. Seek medical attention if discomfort persists.

#### SECTION 5 FIRE FIGHTING MEASURES

**Extinguishing Media:** Materials suitable to surrounding fire.  
**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus and full bunker gear. Smoke and fumes from fire may contain hazardous components.  
**Unusual Fire and Explosion Hazards:** Closed containers may explode from vapor expansion in high heat. Contain run off by diking to prevent contamination to water supplies.

#### SECTION 6 ACCIDENTAL RELEASE MEASURES

**Steps to be taken in case material is released or spilled:**  
SMALL: Clean up personnel should protect against mist inhalation and skin contact. Avoid generating mist. Spills when handling should be cleaned up immediately to prevent spreading. LARGE: Clean up personnel should protect against mist inhalation and skin contact. Avoid generating mist.  
CONTAINMENT: Do not release into sewers or waterways. Dike spills to prevent contamination to water supplies. Contain spills, absorb liquids by covering with clay or other absorbent material, vacuum, scoop and sweep up waste and place in a container for disposal.

#### SECTION 7 HANDLING AND STORAGE

**Precautions to be taken in handling and storing:**  
Product may cause oxygen deficiencies in enclosed spaces. Follow all OSHA regulations pertaining to enclosed space entry. Store in cool, dry areas away from children, feed and food products and sources of heat. Immediately clean up spills that occur during handling or storage. Protect from freezing. Keep containers closed when not in use. Do not store in aluminum or metal vessels.

#### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Ventilation Protection:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs. Local exhaust ventilation is preferred.  
**Respiratory Protection:** Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear an MSHA/NIOSH-approved respirator.  
**Protective Clothing:** Wear chemically protective gloves, boots, aprons and gauntlets to prevent prolonged or repeated skin contact.  
**Eye Protection:** Wear protective eyeglasses or chemical safety goggles. Contact lenses are not eye protective devices.  
**Other:** Never eat, drink or smoke in work areas. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet or applying cosmetics.

