

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

Emergency Phone - Chemtrec: 1-800-424-9300

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 ³ inhalable fraction	not listed
Potassium Hydroxide	not listed	not listed		C 2 mg/m ³ 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.

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SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	212°F	Solubility in Water:	100%
Specific Gravity:	1.296 (10.80 pounds/gallon)	% Volatiles (by volume):	Not listed
Flashpoint:	Non-combustible	Vapor Pressure, mm Hg:	Not applicable
pH:	7.80 - 8.20	Reaction with Water:	Not listed.
Appearance:	Light tan liquid; no noticeable odor.	Freezing Point:	32°F
Extinguishing Media:	Use media suitable for extinguishing source of fire.		

SECTION 10

STABILITY AND REACTIVITY

Stability (Normal Conditions): Stable at room temperature in closed containers under normal storage and handling conditions.
Conditions to Avoid: Avoid excessive heat.
Incompatibility (Material to Avoid): Strong bases and acids.
Hazardous Decomposition Products: Toxic gases may be formed in a fire situation. Carbon monoxide and other asphyxiates may form as well.
Hazardous Polymerization: Cannot occur.

SECTION 11

TOXICOLOGY INFORMATION

Eye Effects:	Aggravation	Chronic Effects:	No unusual chronic effects
Skin Effects:	May cause aggravation	Carcinogenicity:	Not listed as carcinogenic
Acute Inhalation Effects:	Not determined	Mutagenicity:	Not listed as mutagenic
Acute Oral Effects:	Not determined	Teratogenicity:	Unknown

SECTION 12

ECOLOGICAL INFORMATION

Soil Absorption/Mobility: Mobile in soil profile.

SECTION 13

DISPOSAL CONSIDERATIONS

Waste Disposal Procedures: Dispose in an approved landfill or apply at recommended label rates. Follow applicable federal, state and local regulations.

SECTION 14

TRANSPORT INFORMATION

Shipping name:	Not regulated by DOT	C.A.S. Number:	None listed
Hazard Class:	None	D.O.T. Number:	None
Reportable Quantity (RQ):	None	Haz Waste No:	None
Labels Required:	None	EPA Regist No:	None
Placard:	None		

SECTION 15

REGULATORY INFORMATION

SARA Title II Hazard Category: Immediate

Not listed on CERCLA or SARA, Title III, Section 313.

SECTION 16

OTHER INFORMATION

Flash Point (Test Method):	Not applicable	Flammable Limits	LOWER	UPPER
Autoignition Temperature:	Not applicable	(% BY VOLUME)	not established	not established

NFPA Rating Health: 1 Fire: 0 Reactivity: 0 Specific Hazards: NA
This N.F.P.A. rating is a recommendation by the manufacturer using the guidelines or published evaluations prepared by the National Fire Protection Association.

MSDS Version Number: 2 (revision to section 2)

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