

Material Safety Data Sheet
J. R. Simplot Company
AgriBusiness

M77313

Trade Name: PHT Quantum-H
Registration No: None

SECTION 1 CHEMICAL PRODUCT AND COMPANY INFORMATION

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

Product Name: PHT Quantum-H
Common Name: Quantum-H
Chemical Type: Inorganic Chemical Fertilizer

SECTION 2 COMPOSITION INFORMATION

Chemical Name and Synonyms	C.A.S. No.	Chemical Formula	WT% Hazardous	ACGIH	PEL
Potassium Hydroxide	1310-58-3	Not listed	Not listed	2 mg/m ³	Not established
Ammonium Hydroxide	1336-21-6	Not listed	Not listed	25 ppm	50 ppm
Phenolic Hydrocarbons: fulvic/humic acids		Not listed	Not listed	Not listed	Not listed
Non-Hazardous					
None listed					

SECTION 3 HAZARDS IDENTIFICATION

Ingestion: Possible stomach disorders if taken orally.
Inhalation: Possible lung congestion if inhaled.
Eye Contact: Possible aggravation.
Skin Absorption: Not normal route of entry.
Skin Contact: May cause slight dermal effects to persons with sensitive skin. Possible skin reddening if not washed off affected area.
Effects of Overdose: None listed.

SECTION 4 FIRST AID MEASURES

Ingestion: Get medical care.
Inhalation: Remove to fresh air. Seek medical attention if discomfort persists.
Eyes: Flush with water for 15 minutes. Seek medical attention if discomfort persists.
Skin: Wash with soap and water. Seek medical attention if discomfort persists.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media: Water fog, foam, dry chemical, CO₂.
Special Fire Fighting Procedures: None listed.
Unusual Fire and Explosion Hazards: None listed.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled:
Small spills should be picked up with paper towels or a mop. Large spills should be wet vacuumed or siphoned into suitable containers for disposal or reclamation.

SECTION 7 HANDLING AND STORAGE

Precautions to be taken in handling and storing:
Persons handling product should use proper protective equipment and handle with care. Containers should be stored in cool, dry area to minimize product expansion and possible leakage. Wash hands and clothing after handling product.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation Protection: Natural ventilation is usually adequate.
Respiratory Protection: Not considered necessary.
Protective Clothing: Rubber or plastic gloves.
Eye Protection: Chemical goggles.
Other: Eye bath, shower, oxygen mask should be available.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	100°C	Solubility in Water:	Soluble
Specific Gravity:	1.019	% Volatiles (by volume):	Not listed.
Flashpoint:	Non-flammable aqueous solution.	Vapor Pressure, mm Hg:	570
pH:	9.6	Reaction with Water:	Not listed.
Appearance:	Dark brown liquid; ammonia odor.		
Extinguishing Media:	Use media suitable for extinguishing source of fire.		

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SECTION 10

STABILITY AND REACTIVITY

Stability (Normal Conditions): Stable
Conditions to Avoid: None listed.
Incompatibility (Material to Avoid): Neutralization reaction will occur if exposed to acidic materials.
Hazardous Decomposition Products: At extreme temperatures, CO, an oxidation product, may be evolved.
Hazardous Polymerization: Will not occur.

SECTION 11

TOXICOLOGY INFORMATION

No LD50 (oral, dermal or inhalation) have been determined.

SECTION 12

ECOLOGICAL INFORMATION

None listed.

SECTION 13

DISPOSAL CONSIDERATIONS

Waste Disposal Procedures: Check applicable local, state and federal regulations.

SECTION 14

TRANSPORT INFORMATION

Shipping name:	Not regulated by DOT	C.A.S. Number:	See "Ingredients"
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

Carcinogenicity: Materials in this product are not considered carcinogens or teratogens.

Not on the SARA 302 list of reportable quantities.

SECTION 16

OTHER INFORMATION

Flash Point (Test Method):	Not applicable	Flammable Limits	LOWER	UPPER
Autoignition Temperature:	Not applicable	(% BY VOLUME)	N/A	N/A

MSDS Version Number: 2

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