

# Material Safety Data Sheet

## J. R. Simplot Company AgriBusiness

Trade Name: PHT SApHEN  
Registration No: WA Reg. No. 7001-04003  
CA Reg. No. 7001-50012

M77348

### SECTION 1

### CHEMICAL PRODUCT AND COMPANY INFORMATION

Manufacturer or Formulator:	J.R. Simplot Company P.O. Box 70013 Boise, ID 83707	Product Name:	PHT SApHEN
		Common Name:	PHT SApHEN
Emergency Phone - Chemtrec:	1-800-424-9300	Chemical Type:	Acidifier

### SECTION 2

### COMPOSITION INFORMATION

Chemical Name and Synonyms	C.A.S. No.	Chemical Formula	WT% Hazardous	TLV	PEL
NONE			Non Hazardous		
This product is a blend of the following non-hazardous ingredients					
Tricarboxylic Acid	None listed	2-Hydroxy-1,2,3 Propanetricarboxylic Acid	100%		

### SECTION 3

### HAZARD IDENTIFICATION

**Ingestion:** Minimal hazard under normal conditions and use. Ingestion of large quantities may cause gastrointestinal discomfort, vomiting, weakness or other medically related problems.

**Inhalation:** Minimal hazard under normal conditions and use. Inhalation of vapor or mist may cause mild irritation of the respiratory tract.

**Eye Contact:** Minimal hazard under normal conditions and use. May be slight irritant.

**Skin Contact:** Minimal hazard under normal conditions and use. Long-term exposure to skin could be mild irritant.

### SECTION 4

### FIRST AID MEASURES

**Ingestion:** Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. **Do not give anything by mouth to an unconscious person.**

**Inhalation:** Move individual to fresh air. If breathing is difficult, give oxygen, or if not breathing, give artificial respiration. Seek medical attention.

**Eyes:** Check for and remove contact lenses. Immediately flush eyes with water for at least 15 minutes. Cold water may be used. Seek immediate medical attention.

**Skin:** Immediately remove contaminated clothing and wash affected area with plenty of soap and water. Cold water may be used. Seek medical attention if irritation occurs.

**Notes to Physician:** Overexposure may result in the absorption of potentially harmful amounts leading to kidney and liver effects.

### SECTION 5

### FIRE FIGHTING MEASURES

**Extinguishing Media:** This product is non-combustible. If involved in a fire, extinguishing agents suitable for surrounding material should be used.

**Special Fire Fighting Procedures:** As in any fire, prevent human exposure to fire, smoke, fumes or products of combustion. Use SCBA with fighting fire in an enclosed area.

**Unusual Fire and Explosion Hazards:** Oxides of carbon and nitrogen are produced by the combustion of this product.

### SECTION 6

### ACCIDENTAL RELEASE MEASURES

**Steps to be taken in case material is released or spilled:** Spills may be slippery. Material should be collected and disposed of in a proper manner. Dike area to prevent spill from spreading. Soak up spill with a suitable absorbent such as clay, sawdust or kitty litter. Sweep up absorbed material and place in a chemical waste container for disposal. Wear suitable protective equipment.

### SECTION 7

### HANDLING AND STORAGE

**Precautions to be taken in handling and storage:** Keep out of reach of children. Avoid prolonged and/or repeated skin contact and eye contact when handling this product. Keep container closed and dry. Isolate from strong oxidizing agents. Avoid contact with aluminum, copper, copper alloys or nickel.

### SECTION 8

### EXPOSURE CONTROLS/PERSONAL PROTECTION

**Ventilation Protection:** Normal room ventilation.

**Respiratory Protection:** None required for normal use.

**Protective Clothing:** Normal clean work clothing.

**Eye Protection:** Wear goggles or safety glasses.

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## SECTION 9

## PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	>200° F	Solubility in Water:	Complete
Specific Gravity:	1.11-1.12 @ 68 F	% Volatiles (by volume):	Not applicable
Flashpoint:	Non-flammable	Vapor Pressure, mm Hg:	Not applicable
pH:	Not available	Reaction with Water:	None
Appearance:	Light brown to brown clear liquid.		
Extinguishing Media:	Use media suitable to extinguish source of fire.		

## SECTION 10

## STABILITY AND REACTIVITY

Stability (Normal Conditions):	Stable under normal conditions
Conditions to Avoid:	Avoid contact with strong oxidizers and prolonged storage at elevated temperatures.
Incompatibility (Material to Avoid):	Aqueous solution in contact with aluminum evolves hydrogen. Avoid contact with aluminum, copper, copper alloys and nickel. Avoid contact with strong oxidizers and metal nitrates.
Hazardous Decomposition Products:	Oxides of phosphorus. Carbon dioxide, carbon monoxide, nitrogen oxides and water vapor
Hazardous Polymerization:	Will not occur

## SECTION 11

## TOXICOLOGY

None Listed.

## SECTION 12

## ECOLOGICAL INFORMATION

None Listed.

## SECTION 13

## DISPOSAL CONSIDERATIONS

Waste Disposal Procedures:	Do not contaminate water, food or feed by storage or disposal. Dispose of in a approved waste disposal facility in accordance with Federal, State and Local Regulations. Triple rinse containers adding rinse water to application tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by local regulations.
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## 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:	by IARC?	Yes ( )	No ( X )	by NTP?	Yes ( )	No ( X )
Not on the SARA 302 list of reportable quantities.						

## SECTION 16

## OTHER INFORMATION

Flash Point (Test Method):	Non-flammable	Flammable Limits	LOWER	UPPER
Autoignition Temperature:	Not applicable	(% BY VOLUME)	N/A	N/A
MSDS Version Number: 4 (revisions to Registration Number)				

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