

# MATERIAL SAFETY DATA SHEET

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PRODUCT NAME: PHT IMPROVE

MSDS NUMBER:

PRODUCT CODE:

MSDS DATE: 08/24/2006

KEY NUMBER:

EMERGENCY PHONE #'s: (559) 884-2421

Britz-Simplot Grower Solutions, LLC.

P. O. Box 60011

Fresno, CA 93794

Prepared by Tm Brown

**HEALTH****1**

Slightly Hazardous

**FIRE****0**

Flash Point: Above 200°F, 93°C

**REACTIVITY****0**

Stable

**SPECIFIC**

-

## 1. IDENTIFICATION

 See Addendum:

Ref. PAGE:

**Chemical Name:****Chemical Family:** Aqueous solution, alkyl glucoside, oligosaccharides, ammoniated salts**CAS #:** NA**Chemical Formula:** Formulated Mixture**CAS Name:** NA**Molecular Weight:** NA**Synonyms / Common Name:** Adjuvant**DOT Information:** Not regulated by the DOT.

## 2. PHYSICAL DATA

 See Addendum:

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**Appearance:** Brown liquid**Color:** Brown color**State:** Liquid**Odor Characteristics:** Slight ammonia odor**pH:** 6.0**Viscosity:** NA**Specific Gravity (Water = 1):** 1.22 @ 68 F**Vapor Density (Air = 1):** >1.0**Vapor Pressure:** NA**Melting Point:** NA**Boiling Point:** 223 F**Flash Point:** NA**Freezing Point:** NA**Percent Volatility:** NA**Evaporation Rate (BAC = 1):** NA**Solubility in Water:** Complete**Solubility in Oil:** NA**Solubility in Acetone:** NA

## 3. INGREDIENTS

 See Addendum:

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| Material / Components              | CAS #: | CAS Name | TLV Units | Approx. % |
|------------------------------------|--------|----------|-----------|-----------|
| Ammonium Nitrate, Ammonium Sulfate |        |          |           | 37.5 %    |
| Alkyl glucoside, oligosaccharides  |        |          |           | 30.0 %    |
| Inerts                             |        |          |           | 32.4 %    |

## 4. FIRE AND EXPLOSION HAZARD DATA

 See Addendum:

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**Flash Point:** n/a**Flammable Limits** Lower NA  
in Air % by volume: Upper**Extinguishing Media:** Water fog, dry chemical, alcohol foam, and carbon dioxide extinguishing media.**Special Fire Fighting Procedures:** Wear positive pressure self-contained breathing apparatus and full protective clothing. Avoid getting water from fire fighting into domestic or irrigation water supplies.**Unusual Fire & Explosion Hazards:** Decomposition may generate ammonia gas, toxic nitrogen dioxide vapors.

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## 5. HEALTH HAZARD DATA

See Addendum:

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**Threshold Limit Value:**

**Effects of Overexposure:**

**Inhalation:** None expected, but aerosol mist may cause mild irritation of nasal mucous membranes.

**Skin Contact:** Mild irritant, especially from prolonged exposure. May cause redness.

**Eye Contact:** Mild irritant. May cause redness and or burning.

**Ingestion:** None known, but may cause dizziness, abdominal cramps, vomiting and diarrhea if large quantities are swallowed.

**Delayed Effects:** None known

**Medical Conditions Aggravated by Exposure:** None Known

## 6. FIRST AID MEASURES

See Addendum:

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**Inhalation:** Move to fresh air. If breathing becomes difficult, consult a physician.

**Skin Contact:** Remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation develops, consult a physician.

**Eye Contact:** Flush eyes with water for 15 minutes, holding eyelids open. If irritation develops, consult a physician.

**Ingestion:** If swallowed, dilute by giving two glasses of water to drink. Induce vomiting. Never give anything by mouth to an unconscious person. Obtain medical attention immediately.

**NOTES TO PHYSICIAN:** In the event of an adverse response, treatment should be directed toward control of the symptoms.

## 7. REACTIVITY DATA

See Addendum:

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**Stability:** Stable.

**Incompatibility:** n/a  
(materials to avoid)

**Hazardous Combustion or Decomposition Products:** Burning may generate ammonia gas, toxic dioxide vapors, and unidentified organic compounds in smoke.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Avoid contact with strong acids, bases or oxidizers.

## 8. SPILL OR LEAK PROCEDURES

See Addendum:

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**Actions to take for Leaks & Spills:** Dike and contain. If uncontaminated, reuse product. If contaminated, absorb spill with clay, sand, or sawdust. Place in a chemical waste container for proper disposal. Spill area will be quite slippery.

**Waste Disposal Method:** This material must be disposed of according to federal, state, and local procedures under the resource conservation and recovery act.

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**9. SPECIAL PROTECTION INFORMATION**

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**Respiratory Protection:** Not normally needed. If use generates an aerosol mist or respiratory irritation, use a NIOSH- approved dust/mist respirator.

**Eye Protection:** Splash proof goggles.

**Skin Protection:** Impervious gloves and clothes.

**Other Clothing:** Coveralls or apron (P/E, PVC, or Vinyl). Rubber or PVC boots.

**Other Equipment:** Eye wash station should be nearby.

**Engineering Controls:** Use with adequate ventilation.

**10. HANDLING AND STORAGE**

See Addendum:

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**Special Precautions:** Keep out of reach of children. Do not store with food, feed, or other material to be used or consumed by humans or animals. Do not contaminate water supplies, lakes, streams, or ponds.

**Other Precautions:** None currently known.

**11. REGULATORY INFORMATION**

See Addendum:

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**Workplace Classification:** Caution

**12. TOXICOLOGICAL INFORMATION**

See Addendum:

Ref. PAGE:

**Acute Data:** Not known

**Reproductive /  
Teratology Data** Not known

**13. ECOLOGICAL INFORMATION**

See Addendum:

Ref. PAGE:

**Fate in the Environment:** Not known

**14. DISPOSAL CONDITIONS**

See Addendum:

Ref. PAGE:

**Procedures:** Dispose of unrecoverable material in accordance with Federal, State and Local regulations.

**15. TRANSPORTATION INFORMATION**

See Addendum:

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**DOT Classification:** Not regulated by DOT.

**Warning Labels:**

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**ADDENDUM for Section -**

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