

MATERIAL SAFETY DATA SHEET

PAGE #: 1 OF 3

PRODUCT NAME: PHT BUFFER

MSDS NUMBER:

PRODUCT CODE:

MSDS DATE: 08/16/2006

KEY NUMBER:

EMERGENCY PHONE #'s: CHEMTREC 800-424-9300

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: Phosphoric Acid

CAS #: NA

Chemical Formula: Formulated Mixture

CAS Name: NA

Molecular Weight: NA

Synonyms / Common Name: Buffer

DOT Information: Not regulated by the DOT.

2. PHYSICAL DATA

☐ See Addendum:

Ref. PAGE:

Appearance:

Color: Colorless, slight straw color

State: Liquid

Odor Characteristics: None

pH: NA

Viscosity: NA

Specific Gravity (Water = 1): 1.065 @ 68 F

Vapor Density (Air = 1): NA

Vapor Pressure: NA

Melting Point: NA

Boiling Point: 213 F

Flash Point: NA

Freezing Point: NA

Percent Volatility: NA

Evaporation Rate (BAC = 1): NA

Solubility in Water: Soluble in water

Solubility in Oil: Not soluble

Solubility in Acetone: NA

3. INGREDIENTS

☐ See Addendum:

Ref. PAGE:

Material / Components

CAS #:

CAS Name

TLV Units

Approx. %

Phosphoric Acid

7664-38-2

Phosphoric acid

11.16 %

Inert Ingredients

88.84 %

4. FIRE AND EXPLOSION HAZARD DATA

☐ See Addendum:

Ref. PAGE:

Flash Point: NA

Flammable Limits Lower Not determined.
in Air % by volume: Upper Not determined.

Extinguishing Media: Water fog, dry chemical 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: Containers may rupture violently if overheated. After fire is controlled, do not handle containers until they returned to ambient temperatures.

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5. HEALTH HAZARD DATA

☐ See Addendum:

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Threshold Limit Value:

Effects of Overexposure:

Inhalation: Will cause irritation of nasal passages and throat.

Skin Contact: Prolonged or repeated exposure may lead to rash

Eye Contact: May cause eye irritation, including tearing, smarting, and redness.

Ingestion: May cause vomiting and abdominal cramps

Delayed Effects: Symptoms of exposure include headache, nausea, weakness, and confusion.

Medical Conditions None known
Aggravated by Exposure

6. FIRST AID MEASURES

☐ See Addendum:

PAGE #:

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

Skin Contact: 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: Give plenty of water to drink. Do not induce vomiting. 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:

PAGE #:

Stability: Stable.

Incompatibility: Do not allow contact with oxidizing materials or Calcium materials
(materials to avoid)

Hazardous Combustion or Decomposition Products Product may produce carbon dioxide and carbon monoxide under fire conditions.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None currently known.

8. SPILL OR LEAK PROCEDURES

☐ See Addendum:

PAGE #:

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

☐ See Addendum: Ref. PAGE:

Respiratory Protection: None needed under normal conditions.

Eye Protection: Splash proof goggles.

Skin Protection: Impervious gloves.

Other Clothing: Impervious apron and footwear.

Other Equipment: Eye wash station.

Engineering Controls:

10. HANDLING AND STORAGE

☐ See Addendum: Ref. PAGE:

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: Ref. PAGE:

Workplace Classification: Caution

12. TOXICOLOGICAL INFORMATION

☐ See Addendum: Ref. PAGE:

Acute Data: None established

**Reproductive /
Teratology Data** None established

13. ECOLOGICAL INFORMATION

☐ See Addendum: Ref. PAGE:

Fate in the Environment: Not established

14. DISPOSAL CONDITIONS

☐ See Addendum: Ref. PAGE:

Procedures: Send to an appropriate disposal facility in compliance with regulations

15. TRANSPORTATION INFORMATION

☐ See Addendum: Ref. PAGE:

DOT Classification: Not regulated by DOT.

Warning Labels:

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ADDENDUM for Section -

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