

MATERIAL SAFETY DATA SHEET

PAGE #: 1 OF 4

PRODUCT NAME: PHT Copper Sulfur 15-25 Dust

MSDS NUMBER:

PRODUCT CODE:

MSDS DATE: 10/5/2006

KEY NUMBER:

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

Britz-Simplot Grower Solutions, LLC.

P.O. Box 60011

Fresno, CA 93794

Prepared by Tim Brown

HEALTH

2

Hazardous

FIRE

1

Flash point above 200F

REACTIVITY

0

Stable

SPECIFIC

1. IDENTIFICATION

See Addendum:

Ref. PAGE:

Chemical Name: Copper Oxychloride Sulfate and Sulfur mixture

Chemical Family: Copper-Sulfur Fungicide Mixture

CAS #: NA

Chemical Formula: NONE, Mixture

CAS Name: NA

Molecular Weight: NONE, Mixture

Synonyms / Common Name: Fungicide

DOT Information: Not Regulated

2. PHYSICAL DATA

See Addendum:

Ref. PAGE:

Appearance: Bluish Green Powder

Color: Bluish Green

State: Dry

Odor Characteristics: Sulfur-like odor

pH: Not applicable

Viscosity: Not applicable

Specific Gravity (Water = 1): Not applicable

Vapor Density (Air = 1): Not applicable

Vapor Pressure: Not applicable

Melting Point: Not applicable

Boiling Point: Not applicable

Flash Point: Not applicable

Freezing Point: Not applicable

Percent Volatility: Not applicable

Evaporation Rate (BAC = 1): Not applicable

Solubility in Water: Virtually insoluble

Solubility in Oil: Not applicable

Solubility in Acetone: Not applicable

3. INGREDIENTS - HAZARDOUS

See Addendum:

Ref. PAGE:

Material / Components	CAS #:	CAS Name	TLV Units	Approx. %
Copper, as metallic			1 mg (Cu)/m3	15
Sulfur	7704-34-9		None established	25
Inert ingredients				60

4. FIRE AND EXPLOSION HAZARD DATA

See Addendum:

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Flash Point: Not applicable

Flammable Limits in Air % by volume: Lower
Upper

Extinguishing Media: Dry chemical, CO2, Foam, Water Spray or Fog.

Special Fire Fighting Procedures: Smoke and fumes from fire may contain hazardous components. Use self-contained breathing apparatus and full protective clothing. Fight fire from upwind side. Avoid run-off.

Unusual Fire & Explosion Hazards: If water is used to fight fire or cool containers, contain run-off by diking to prevent contamination of water supplies. Dusts may form explosive mixtures with air; avoid use of heavy water streams.

PHT Copper Sulfur 15-25 Dust

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10:27:00AM

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5. HEALTH HAZARD DATA

See Addendum:

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Threshold Limit Value:

Effects of Overexposure:

Inhalation: Product is considered to be of low to moderate toxicity. May be harmful if inhaled. Prolonged or repeated exposure may increase irritation.

Skin Contact: Product is considered to be of low to moderate toxicity. May cause skin irritation.

Eye Contact: May cause irritation of the eyes. Prolonged or repeated exposure may increase irritation, particularly to eyes.

Ingestion: Overexposure can lead to nausea, diarrhea, gastrointestinal distress, headaches, weakness, and in severe cases possible liver and kidney damage.

Delayed Effects:

Medical Conditions Aggravated by Exposure None known. Preexisting skin or respiratory disorders may be aggravated by excessive exposure to this material.

6. FIRST AID MEASURES

See Addendum:

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Inhalation: Remove to fresh air. If irritation persists, get medical attention.

Skin Contact: Remove all contaminated clothing. Wash skin and hair thoroughly with soap and water. Wash clothing before reuse.

Eye Contact: Flush with running water for at least 15 minutes while holding eyelids open. If irritation persists, get medical attention.

Ingestion: Harmful if swallowed. Call a physician immediately.

NOTES TO PHYSICIAN:

7. REACTIVITY DATA

See Addendum:

PAGE #:

Stability: Stable

Incompatibility: Strong oxidizers, acids
(materials to avoid)

Hazardous Combustion or Decomposition Products HCl, oxides of sulfur, oxides of copper, chlorine-containing compounds and other unknown hazardous material may be formed in a fire situation.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None known.

8. SPILL OR LEAK PROCEDURES

See Addendum:

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Actions to take for Leaks & Spills Contain spill; vacuum or scoop and sweep up and place in container for disposal.

Waste Disposal Method: Material which cannot be used at the site should be disposed of in an approved waste disposal facility following all applicable Federal, State, and Local regulations.

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9. SPECIAL PROTECTION INFORMATION

See Addendum:

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Respiratory Protection: Not normally required. If dusts may exceed acceptable levels, or if irritation occurs, wear MSHA/NIOSH-approved mask or respirator for protection against pesticide dusts.

Eye Protection: Chemical goggles or shielded safety glasses recommended.

Skin Protection: Work gloves or impervious gloves recommended.

Other Clothing: Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, shoe plus socks and protective eyewear.

Other Equipment: Eye wash available

Engineering Controls:

10. HANDLING AND STORAGE

See Addendum:

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Special Precautions: Store in a cool dry place, away from children, food and feed products. Do not contaminate other stored products or the storage area by handling or storage of this product. Immediately clean up any spills which occur during handling and storage.

Other Precautions: Do not contaminate water supplies by handling or storage of product, cleaning of equipment or disposal of wastes. Keep work and storage areas clean. Toxic to fish and other aquatic organisms. Read and follow precautionary measures on product label.

11. REGULATORY INFORMATION

See Addendum:

Ref. PAGE:

Workplace Classification: Warning

12. TOXICOLOGICAL INFORMATION

See Addendum:

Ref. PAGE:

Acute Data: Oral toxicity (Rats) LD50 >5050 mg/kg

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.

Warning Labels:

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ADDENDUM for Section - 4. FIRE AND EXPLOSION HAZARD DATA - Ref. Pg. 1

Special Fire Fighting Procedures: Keep non-essential personnel away from immediate fire area and out of any fall-out or run off areas.

ADDENDUM for Section -

ADDENDUM for Section -