

MSDS Document

Product PhibroWood-Sustain 20T

1. Chemical Product and Company Identification

Trade Name of this Product PhibroWood-Sustain 20T

Synonyms: COPPER(II) CARBONATE HYDROXIDE (2:1:2) PLUS, TEBUCONAZOLE
SUSPENSION IN WATER, Everlast CA-B2

MSDS ID 7268

Manufacturer

PhibroWood, LLC
65 Challenger Road
Ridgefield Park, NJ 07660

Phone Number

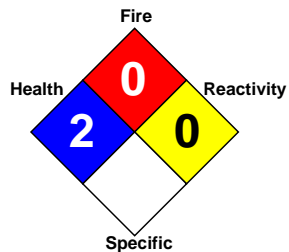
(201) 329-7300

Emergency Phone

CHEMTREC (800) 424-9300

CHEMTREC International (703) 527-3887

Revision Date 12/13/2007



2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
COPPER CARBONATE HYDROXIDE	12069-69-1	36 %	1mg/m3 (Cu) *	1mg/m3 (Cu) *	
WATER	7732-18-5	54% - 56%			
DISPERSANTS & SURFACTANT	TRADE SECRET	6-7 %			
SODIUM NITRITE	7632-00-0	2-3 %			
TEBUCONAZOLE	107534-96-3	1 %			

* Dust or Mist

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3. Hazard Identification

Ingestion

Can burn mouth, throat, and stomach. May cause nausea or abdominal discomfort. May cause vomiting. If vomiting does not occur immediately systemic copper poisoning may occur. Symptoms may include capillary damage, headache, cold sweat, weak pulse, kidney and liver damage, central nervous excitation followed by depression, jaundice, convulsions, paralysis, and coma. Death may occur from shock or renal failure.

Copper salts when ingested in high doses can cause gastrointestinal disturbances, anemia and secondary liver and kidney damage.

Inhalation

May cause respiratory tract irritation.

Skin

May cause skin irritation. Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis).

Eye

Contact may cause eye irritation. May result in corneal opacity (clouding of the eye surface).

Prolonged or repeated exposure to dusts of copper salts may cause discoloration of the skin or hair, ulceration and perforation of the nasal septum, runny nose, metallic taste, atrophic changes, and irritation of the mucous membranes.

4. First Aid Information

Eye

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.

Skin

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Thoroughly wash (or discard) clothing and shoes before reuse.

Inhalation

Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention.

Ingestion

If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

5. Fire Fighting Measures

Flammable Properties

This material is not considered a fire hazard. During a fire, irritating and highly toxic gases

may be generated by thermal decomposition or combustion.

Extinguishing Media

Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material. Cool fire exposed containers with water spray. Exposure to extreme heat may cause containers to burst.

Fire fighting instructions

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

6. Accidental Release Measures

Clean-up

Ventilate and evacuate area. Vacuum or sweep up material and place in a disposal container. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Do not flush to sewer.

7. Handling and Storage

Handling

Wash thoroughly after handling. Use with adequate ventilation. Avoid breathing (dust, vapor, mist, gas). Avoid contact with eyes, skin, and clothing. Empty containers retain product residue (liquid and/or vapor) and can be dangerous.

Storage

Keep from freezing. Store in a cool place in original container and protect from sunlight. Store away from incompatible materials. Keep away from food and drinking water. Keep container closed when not in use.

8. Exposure Controls and Personal Protection

Engineering controls

Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Respirators

A NIOSH-approved air purifying respirator with the appropriate cartridge or canister for the hazards may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

Other clothing

Wear safety glasses with side shields (or goggles) and a face shield. Use gloves, and other body coverings, recommended for this material by manufacturers or suppliers based on test data showing adequate permeation and penetration resistance.

9. Physical and Chemical Properties

Physical State	Liquid Suspension
Specific Gravity	1.37
Color/Appearance	Dark Green
Odor	Faint
pH	9-10
Boiling/Cond. Point	100
Melting/Freezing Point	<-10
Solubility	Miscible
Percent Volatile	44-46
Molecular Formula	NOT APPLICABLE TO MIXTURES

10. Stability and Reactivity

Thermal Stability

Stable under normal conditions of use and storage.

Incompatibility

Oxidizers, strong acids and aluminum.

Conditions to Avoid

Heat, flames, ignition sources and incompatibles.

Hazardous Polymerization

Will not occur.

Hazardous Decomposition Products

Carbon dioxide and carbon monoxide may form when heated to decomposition. Copper fumes, traces of hydrogen chloride, oxides of nitrogen and other toxic gases may be released during thermal decomposition.

11. Toxicological Information

The toxicological properties of this material have not been thoroughly investigated.

Carcinogen

NTP: No

IARC: No

OSHA: No

Toxicity Data:

There is no experimental toxicity data for this product. Refer to the data listed below for relative toxicity assessment.

TOXICITY DATA: (FOR 100% COPPER CARBONATE)

ORAL TOXICITY: LD50: 159 MG/KG (RABBIT)

LD50: 1350 MG/KG (RAT)

LD50: 900 MG/KG (BIRD)

LDLO: 900 MG/KG (DUCK)

TOXICITY DATA: (FOR 100% TEBUCONAZOLE)
ORAL TOXICITY: LD50: 4000 MG/KG (MALE RAT) APPROX.
LD50: 1700 MG/KG (FEMALE RAT)
SKIN TOXICITY: LD50: >5000 MG/KG (RAT)
INHALATION TOXICITY: LC50: >5000 MG/M3/4HR (RAT)
LDLO: 1000 MG/KG (PIGEON)

TOXICITY DATA: (FOR 100% SODIUM NITRITE)
ORAL TOXICITY: LD50: 85 MG/KG (RAT)
LD50: 186 MG/KG (RABBIT)
LD50: 175 MG/KG (MOUSE)
LDLO: 71 MG/KG (HUMAN) CNS AND BLOOD EFFECTS

12. Ecological Information

Toxic to fish and other water organisms. Keep out of waterways.

13. Disposal Considerations

Disposal Method

Dispose in accordance with applicable federal, state, local environmental and regulatory requirements.

14. Transportation Information

DOT Hazard Class: Not DOT Regulated
Hazardous Ingredients: NA
Identification Number: NA
Packing Group: NA
Label: NA

DOT SHIPPING NAME: PhibroWood-Sustain 20T

15. Regulatory Information

Toxic Substances Control Act(TSCA)

Chemical ingredients are on the TSCA inventory.

Superfund Reportable Quantity(RQ)

Not Regulated.

Hazardous Waste No.

Not Regulated.

Sara Title III (Section 313)

This product contains a copper compound which is subject to reporting. This product contains Sodium Nitrate which is subject to reporting.

State Lists

This material contains ingredients that are listed for reporting or disclosure in the states of

California, Connecticut, Illinois, Indiana, Kentucky, Louisiana, Massachusetts, Michigan, Minnesota, New Jersey, New York, North Carolina, Pennsylvania, or Rhode Island . Please check with the appropriate state agencies.

For States Not Listed

Please check with the appropriate agencies.

California Proposition 65 Warning

This product may contain chemicals known to the state of California to cause cancer, or birth defects or other reproductive harm.

Canadian Lists

DSL/NDSL

The ingredients are on the Domestic Substances List.

WHMIS: COPPER(II) CARBONATE HYDROXIDE IS ITEM NO. 428 FROM THE INGREDIENT DISCLOSURE LIST AND IS SUBJECT TO REPORTING AT 1% THRESHOLD. SODIUM NITRITE IS ITEM NO. 1453 AND IS SUBJECT TO REPORTING AT 1% THRESHOLD.

16. Other Information

It is reasonable to assume that copper compounds contain arsenic, cadmium, chromium, and lead in concentrations ranging from a few parts per billion to several hundred parts per million.

All information presented herein is given in good faith and is based on sources and tests considered to be reliable, but cannot be guaranteed. It is the user's full responsibility to accept risk for the safety, toxicity, handling, storage, and use of the product, as well as to determine the suitability of the product for a specific purpose. We make no warranty as to the results to be obtained in using the product; therefore all risks must be assumed by the user.