

MATERIAL “SAFETY DATA SHEET”
No Thrush® Heel and Frog Maintenance
 Revised Oct 14th 2015

SECTION 1: COMPANY IDENTIFICATION

Product Name: NO Thrush®

Manufacturer: Name and Contact Information

Distributed By

Four Oaks Farms Ventures, Inc

330 Zachary St # 103

Moorpark, CA 93021 (USA)

Contact: 805-813-6257

AAPCC (24HR USA Emergency Telephone), call: 1-800-222-1222

Recommended use:

Equine foot powder. Used to manage thrush and rid moisture from soft frogs and heels.

SECTION 2: HAZARDS IDENTIFICATION:

All Ingredients known as “Generally Recognized As Safe” or G.R.A.S.)

Potential Health Effects

Eye: May cause mild eye irritation.

Skin: May cause mild skin irritation.

Ingestion: Very large amounts may cause sore throat, nausea, headache, metallic taste, and may cause unconsciousness in severe cases.

Inhalation: May cause respiratory tract irritation.

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS,
 COMPOSITION / CHEMICAL FAMILY: [Natural Compound]**

NOTE: chemical data is broken into 2 parts: inert, and active ingredient

A: PREFERRED **INERT** INGREDIENTS: <80% (All Natural)

(Natural clays/earth/ silicates/ powdered oregano) CAS#'s: available onsite

Data based on combined inert ingredient data:

Physical state and appearance: Solid. (Powdered solid.) –

Stability: Stable -- **Odor:** Odorless. - **Taste:** n/a.

Specific Gravity: 2.50 (H₂O = 1) -- **Color:** white / pink - **pH (1% soln/water):** 6.5

Boiling Point: n/a - **Melting Point:** n/a - **Critical Temperature:** n/a - **Vapor Pressure:** n/a.

Solubility: insoluble.

B: PREFERRED **ACTIVE** INGREDIENTS (>20%) (ALL NATURAL)

Copper sulfate Pentahydrate: CAS # : 7758-99-8 .

Physical state and appearance: Solid. (Powdered solid.) –

Stability: Stable -

Odor: Odorless. –

Taste: Nauseous metallic. –

Molecular Weight: 249.69 g/mole –

Color: Blue. (Light.) - **pH (5% soln/water):** 3.7-4.5 –

Boiling Point: 150°C (302°F) –

Melting Point: 110°C (230°F) –

Critical Temperature: Not available.

Specific Gravity: 2.28 @ 15.6 deg. C(H₂O = 1)

Vapor Pressure: Not applicable.

Solubility: Easily soluble in hot water. Soluble in cold water, methanol. Solubility in water: 31.6 g/100 ml @ 0 deg. C.; 203.3 g/100 ml @ 100 deg. C Solubility in methanol: 15.6 g/100 ml @ 18 deg. C. Insoluble in ethanol.. Practically insoluble in most organic solvents.

Typical applications: Feed and soil additive; pesticides, fungicides and bordeaux mixture in agriculture industry; pigments; germicide; medicinal supplements.

SECTION 4: FIRST-AID MEASURES:

Emergency Overview

INHALATION: May cause coughing, sneezing or labored breathing if large amounts are inhaled.

INGESTION: Care should be taken not to ingest. Ingestion of very large amounts may cause sore throat, nausea, headache, metallic taste, and may cause unconsciousness in severe cases.

SKIN CONTACT: May cause irritation.

EYE CONTACT: Care should be taken to avoid significant eye contact. Irritant to human eyes. May cause itching, redness and pain.

Potential Health Effects (Acute and Chronic) Some silicates may contain small amounts of quartz (crystalline silica) which is a known carcinogen. Care should be taken to use in a well ventilated area. Those with asthma may prefer to wear a dust mask.

Signs and Symptoms of Exposure

Irritation of skin, eyes and respiratory tract.

Emergency and First Aid Procedures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

Skin Contact:

Flush skin with plenty of water. If skin is irritated cover with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Consult with physician if irritation persists.

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if irritation persists.

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

SECTION 5 : FIRE AND EXPLOSION DATA

Flammability of the Product:

Non-flammable.

Auto-Ignition Temperature:

Not applicable.

Flash Points:

Not applicable.

Fire Hazards in Presence of Various Substances:

Not applicable.

Fire Fighting Media and Instructions:

Not applicable.

Special Remarks on Fire Hazards: When heated to decomposition copper sulfate emits toxic fumes.

Fire Fighting Instructions

As with any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear.

Extinguishing Media

Non-combustible

Unsuitable Extinguishing Media

No data available.

SECTION 6: ACCIDENTAL RELEASE MEASURES**Small Spill:**

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:

Use a shovel to put the material into a convenient waste disposal container. Use recommended ventilation and mask at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

SECTION 7: HANDLING AND STORAGE:

Precautions: Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Engineering Controls: Use mechanical ventilation such as dilution and local exhaust. Use a corrosion-resistant ventilation system and exhaust directly to the outside. Supply ample air replacement. Provide dust collectors with explosion vents.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTIONS**Exposure Limits:**

The exposure limits given are for Copper & inorganic Compounds, as Cu (7440-50-8), Copper fume as Cu or Copper dusts and mists, as Cu.

ACGIH: 1 mg/m³ TWA (dust) --

OSHA PEL: 1 mg/m³TWA (dust) --

NIOSH: 1 mg/m³ TWA (dust) --

DFG NIAKs 1 mg/m³ TWA Peak, 30 minutes, average value (dusts)**Respiratory**

Equipment:

Dust filter mask is recommended as minimal protection for manufacturing / heavy-use protection.

A respiratory protection program that meets OSHA 29 CFR 1910.134 requirements must be followed whenever workplace conditions warrant respirator use. For concentrations up to 10 times the exposure limit, use NIOSH/MSHA approved full- or half-face, air-purifying respirator.

Personal Protection:

Splash goggles. Lab coat. Gloves. Dust respirator. Be sure to use an approved/certified respirator or equivalent.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid excessive inhalation..

Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Stats below are for active ingredient, copper sulfate. Other ingredients are inert clay and herbs.

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SECTION 10: STABILITY AND REACTIVITY

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Excess heat (high temperatures), incompatible materials, exposure to air

Incompatibility with various substances: Reactive with metals, alkalis.

SECTION 11. TOXICOLOGY INFORMATION: N/A

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD₅₀): 300 mg/kg [Rat.]. Acute dermal toxicity (LD₅₀): >2000 mg/kg [Rat].

Special Remarks on Toxicity to Animals: Lowest Published Lethal Dose: LDL [Human] - Route: Oral; Dose: 1088 mg/kg:

Acute Potential Health Effects: Skin: May cause skin irritation. Eyes: May cause eye irritation. Inhalation: May cause respiratory tract (nose, throat, lung) irritation with coughing and wheezing. Ingestion: Harmful if swallowed. May cause gastrointestinal tract irritation with nausea, vomiting, diarrhea, metallic taste, burning sensation in the stomach, and abdominal pain.

SECTION 12: ECOLOGICAL INFORMATION: N/A**SECTION 13: DISPOSAL CONSIDERATIONS:**

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

SECTION 14: TRANSPORT INFORMATION:

- **Not regulated..**

No labeling requirements/restrictions.

Product can be shipped via all normal transport, both air and freight transport

SECTION 15: REGULATORY INFORMATION: N/A

SECTION 16: OTHER INFORMATION:

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