

Section 1. Identification of the substance/preparation and of the company

Product Name: Copper Boost

Synonyms: None

Product Use: Agricultural Fertilizer

Name of Supplier: Vegalab S.A.

Manufacturer Information: Vegalab S.A.

15 Rue du Cendrier

1201 Geneva

Switzerland

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Section 2. Hazards identification

- > **Explosion:** No cauterization
- > **Eye effects:** Irritating to eyes
- > **Skin effects:** Moderately irritating to the skin
- > **Inhalation:** May cause light lung damage if swallowed
- > **Ingestion:** Harmful if swallowed
- > **Carcinogenic effects:** No known significant effects or critical hazards
- > **Mutagenic effects:** No known significant effects or critical hazards
- > **Teratogenicity/Reproductive toxicity:** No known significant effects or critical hazards
- > **Effects of overexposure:** Repeated skin exposure can produce local skin destruction or dermatitis. Repeated or prolonged exposure to the substance can produce lung damage. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to the substance can produce targeted organ damage.
- > **Chemical listed as carcinogens or potential carcinogens:** N/A
- > **Environment effects:** No hazard

Section 3. Composition/information on ingredients

Chemical / Component Name	Concentration	CAS Number	EC Number	R Phrases
Citric Acid	1.20%	-	-	None
Glycerol	3.20%	-	-	None
Tribasic Copper Sulfate	15.20%	-	-	None
Water	80.40%	-	-	None
TOTAL	100.00%			

Section 4. First aid

- > **Inhalation:** Remove affected person to fresh air until recovered. If the person is not breathing, then give artificial respiration, preferably by mouth-to-mouth. Contact National Poison Center or a doctor for further treatment advice.
- > **Skin Contact:** Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Wash affected area with soap and water. Contact National Poison Center or a doctor for further treatment advice.
- > **Eye Contact:** Hold eyelids open and rinse slowly and gently with water for 15 to 20 minutes. After 5 minutes, remove contact lenses if present, then continue rinsing eye. Contact National Poison Center or a doctor for further treatment advice.
- > **Ingestion:** Rinse mouth and then drink plenty of water. If swallowed, do not induce vomiting; seek medical advice immediately. Make every effort to prevent vomit from entering the lungs by careful placement of the patient.

Section 5. Fire-fighting measures

- > **Suitable extinguishing media:** Water, water spray, foam carbon dioxide, dry powder
- > **Extinguishing agents to avoid:** None
- > **Special fire fighting precautions:** Wear respiratory protection to avoid dust and smoke

Section 6. Accidental release measures

- > In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc.
- > Dispose of with chemical waste

Section 7. Handling and storage

- > **Handling:** Avoid contact with skin and eyes
- > **Storage:** Keep in dry, cool place (0-35°C)

Section 8. Exposure controls/personal protection

- > **Exposure Limit:** No exposure standard for this product has been set; however, an exposure standard has been set for copper (as Cu) (dusts and mists) at TLV (TWA) $1\text{mg}/\text{m}^3$, STEL.
- > **Engineering Controls:** Handle in well ventilated area, generally natural ventilation is adequate.
- > **Eye/Face Protection:** To avoid contact with eyes, wear chemical goggles or shielded safety glasses. An emergency eyewash or water supply should be readily accessible to the work area.
- > **Skin Protection:** To avoid contact with skin, wear long pants, long-sleeved shirt, socks, shoes and chemical resistant gloves made of any waterproof material. An emergency shower or water supply should be readily accessible to the work area.
- > **Respiratory Protection:** Not normally required. If vapors or mists exceed acceptable levels, wear NIOSH approved air-purifying respirator with cartridges/canisters approved for use against pesticides.

> **Considerations:** Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling these materials: 1) Do not store, use and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored; 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics or using the toilet.

Section 9. Physical and chemical properties

- > **Physical State:** Liquid
- > **Appearance Color:** Blue
- > **Odor:** None
- > **Partition coefficient:** Solubility-water freely soluble
- > **pH:** 2~4
- > **Specific Gravity:** 1.2~1.4
- > **Melting point (°C):** N/A
- > **Boiling point (°C):** 100°C at 1.013 hPa
- > **Flash point (°C):** N/A
- > **Auto-ignition temp. (°C):** N/A
- > **Vapor pressure (mm Hg):** N/A

Section 10. Stability and reactivity

- > **Stability:** Stable
- > **Conditions to avoid:** Open flames or other high temperature sources, which might induce thermal decomposition
- > **Hazardous decomposition products:** Not expected
- > **Hazardous polymerization:** Will not occur

Section 11. Toxicological information

Acute toxicity

- > **Oral (rat):** None
- > **Dermal (rat):** None
- > **Skin Irritation (rabbit):** None
- > **Eye Irritation (rabbit):** None
- > **Long term toxicity:** None
- > **Chronic toxicity:** Non-carcinogenic, non-teratogenic, non-mutagenic or reproductive.
- > Not harmful to laboratory animals

Section 12. Ecological information

- > Friendly to ecosystem
- > Does not leach to water way

Section 13. Disposal considerations

Wastes from residues/unused products:

- > Dispose of in accordance with local state and federal regulations
- > Do not contaminate water, food or feed by storage or disposal

Section 14. Transport information

Shipping name: Vegalab – Copper Boost

Not classified as dangerous in the means of transport regulations

Section 15. Regulatory information

No.

Section 16. Other information

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