



SAFETY DATA SHEET



Section II: Hazardous Ingredients (Mixtures Only)

Emergency Overview

*This Product is a stable solid. It's light black appearance with no appreciable odor. The product may cause irritation to the skin after prolonged contact. This product should be stored and handled to prevent the possibility of inhalation, eye contact, and prolonged skin contact.

Notice: the data and information presented herein are based upon tests, research and reports which are considered by us to be reliable and accurate. The data and information are presented without warranty, guarantee or liability on our part, and are presented to the customer for his/her own consideration, investigation and verification.

Section III: Hazardous Ingredients

Name	CAS No.	Concentração
Copper Compounds	1317-38-0	12%
Sulphur	7704-34-9	72%
Inert Ingredients/Filler		16%

Section IV: Physical Data

Boiling Point: 444°C (832°F)

Melting Point: 119°C (246°F)

Vapor Density (Air =1): N/A

Solubility in Water (% by weight): Insoluble

Physical State and Appearance: Charcoal gray (Pellet or pastille in shape)

Odor threshold: Slight sulphur odor

Specific Gravity: 5.6 gm/mL

Vapor Pressure (mm Hg at 20°C): N/A

Volatiles by Volume: N/A

Evaporation Rate (Butyl Acetate=) (Ether=): N/A

PH: Neutral when dry



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Section V: Fire and Explosion Data

This Product is: Not Combustible

Flash Points: Pure liquid S- 190°C (dust clouds), 220°C (Non-dispersed dust)

Flammable Limits: LEL 35 gm/m³
UEL 1400 gm/m³ (dust)

Basic Firefighting Procedures: * Fire Extinguishing Agents Recommendations

1. A fine water spray or fog is recommended
2. CO₂ or dry chemical
3. Small fires may be smothered with sand or soil sulphur

*Fire Extinguishing Agents to AVOID—Hoses and extinguishers with pressure streams should be avoided where solid sulphur is dusty or where it may create a further hazard by raising more dust clouds.

* Special Fire Fighting Precautions: because burning sulphur evolves sulphur dioxide, breather apparatus or gas masks approved for use in acid-gas atmosphere should be used. Fumes from unprotected sulphur fires shall be avoided, if possible, by approaching for the upwind side.

Fire degradation products: Combustion may produce sulphur dioxide

Flammability: Condition to avoid: Heat, sparks, open flame, static electricity or any other potential ignition source should be avoided. Avoid contact with incompatible materials.

Unusual fire and explosion hazards: Dust suspended in air is readily ignited by flames, static electricity or friction spark. Every reasonable step must be taken to minimize dust formation. Dust tight castings should be equipped with explosion relief vents. Sparkles electrical equipment is recommended. Handling equipment must be grounded or bonded to avoid static electricity. Keep away from source of flame or sparks. Detailed recommendations in Manufacturing Chemists Association SD-74 and National Safety Council 612 Bulletins covering "Sulphur" should be followed when handling TIGER MICRONUTRIENTS Copper 12%.

Section VI: Reactivity Information

Stability: This product is stable at room temperature in closed containers under normal storage and handling conditions.

Conditions to avoid: The main hazards are fire and dust explosions.

Hazardous Polymerization: Will not occur

Hazardous Decomposition Products: None

Chemical Incompatibility: None

Section VII: Health Hazard Information & Technology of Components

Primary Routes of Entry: Inhalation: Sulphur dust may irritate the mucous membranes of the respiratory passage.

Ingestions: Minimal toxicity, Irritating to mouth, throat and stomach. May cause digestive tract disorder/damage.

Skin: Frequent or prolonged contact may irritate the skin. Low toxicity.

Eyes: Sulphur dust is capable of irritating the inner surfaces of the eyelids.

Permissible Concentration: None Established

Toxicological Information: Unusual Chronic Toxicity: N/A

