

MATERIAL SAFETY DATA SHEET**Zinc Coposil® Sulfur 15-30 Dust**

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AGROVALLEY ENTERPRISES, INC

P.O. Box 27943

Fresno, CA 93729-7943

1. IDENTIFICATION

Product name: Zinc Coposil Sulfur 15-30 Dust
Registration Number: 74307-1
Chemical name of active ingredient(s): Copper in the form of Copper oxychloride and sulfur mixture
Chemical Type: Copper – Sulfur Fungicide Mixture

Registrant/Manufacturer: Agro Valley Enterprises, Inc.
P.O. Box 27943
Fresno, CA 93729-7943

For fire, spill, and/or leak emergencies, contact CHEMTREC: 1-800-424-9300

For medical emergencies and health and safety inquiries: 1-559-243-0107

2. COMPOSITION/INFORMATION ON INGREDIENTSInformation on hazardous ingredients *

MATERIAL	C.A.S. No.	% by WT.	ACGIH/TLV	OSHA/PEL
Sulfur	7704-34-9	30.0	None	None
Copper oxychloride	1322-65-6	15.3	None	None
Zinc Oxide	1314-13-2	10.6	None	None
Inert Ingredients	NA	44.1	NA	NA

3. HAZARDS IDENTIFICATION

SYMPTOMS OF ACUTE EXPOSURE: This formulation is considered to be low to moderate toxicity. The most likely routes of entry are dermal and inhalation. Causes substantial but temporary eye injury.

4. FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

IF SWALLOWED: Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor.

IF ON SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

IF INHALED: Move person to fresh air. If not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth, if possible.

NOTES TO PHYSICIAN: MEDICAL CONDITION LIKELY TO BE AGGRAVATED BY EXPOSURE: None known.

5. FIRE FIGHTING MEASURES**FIRE AND EXPLOSION:**

FLASH POINT (Test method): Not applicable

FLAMMABLE LIMITS (% in air) not determined

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, foam, water spray or fog. For large fires, water spray, water fog or fire fighting foam is recommended. Water streams may scatter the material creating a further hazard by raising dust clouds.

SPECIAL FIRE FIGHTING PROCEDURES: If formulation involved in a fire, noxious fumes may be produced. Wear self-contained breathing apparatus and full protective clothing. Fight fire from upwind and keep all non-essential personnel out of area of intense smoke. Contain run-off by diking to prevent contamination of water supplies. Dust suspended in air is readily ignited by flame, static electricity or friction spark. Every reasonable step must be taken to minimize dust formation.

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6. ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR LEAK: Special precautions for solid sulfur/copper dusts are generally not necessary unless excessive dust is generated. Keep open flames away from solid sulfur/copper or sulfur/copper dusts. Sweep up and place in an approved chemical container. Wash the spill area with water containing a strong detergent, absorb with pet litter or other absorbent material, sweep up, and place in a chemical container. Seal the container and handle in an approved manner. Flush the area with water to remove any residue. Do not allow wash water to contaminate water supplies.

7. HANDLING AND STORAGE

HANDLING: Prevent eating, drinking, tobacco usage, and cosmetic application in areas where there is a potential for exposure to the material. Always wash thoroughly after handling.

STORAGE: Store the material in a well-ventilated, secure area out of the reach of children and domestic animals. Do not store food, beverages, or tobacco products in the storage area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

The following recommendations for exposure controls/personal protection are intended for the manufacture, formulation, and packaging of the product. For commercial applications and on-farm applications, consult the product label.

INGESTION: Prevent eating, drinking, tobacco usage, and cosmetic application in areas where there is a potential for exposure to the material. Always wash thoroughly after handling.

EYE CONTACT: Avoid eye contact. Wear safety glasses with side shields or chemical goggles.

SKIN CONTACT: Avoid skin contact. Wear rubber gloves, long-sleeve shirt, long pants, shoes with socks.

RESPIRATORY PROTECTION: Avoid breathing vapor or mist. If in enclosed spaces, use MSHA/NIOS approved dust respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE and ODOR: Greenish powder with a sulfur like odor

MELTING POINT: N/A

SPECIFIC GRAVITY/DENSITY: 30- 40 lbs./ ft³

pH: Non listed

SOLUBILITY IN WATER: Virtually insoluble

VAPOR PRESSURE: N/A

10. STABILITY AND REACTIVITY

STABILITY: Stable under standard conditions.

CONDITIONS TO AVOID: Excessive heat

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of copper, chlorine-containing compounds and other unknown hazardous materials may be formed in a fire situation. Possibly hydrogen chloride may be formed.

11. TOXICOLOGICAL INFORMATION

ORAL ACUTE TOXICITY: LD₅₀ (rat)>5050 mg/kg

DERMAL ACUTE TOXICITY: LD₅₀ (rabbit) >5050 mg/kg

INHALATION ACUTE TOXICITY: LC₅₀ (rat)>2.39 mg/L

EYE CONTACT: Mildly irritating, Toxicity category III

SKIN CONTACT: Non-irritating

SENSITIZATION: Not a sensitizer

12. ECOLOGICAL INFORMATION

SUMMARY OF EFFECTS: Practically nontoxic to birds; toxic to aquatic invertebrates and moderately toxic to fish.

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13. DISPOSAL CONSIDERATIONS:

PESTICIDE DISPOSAL: Do not reuse product containers. Do not contaminate food, feed, or water by storage or disposal. In case of minor spills, follow all precautions indicated previously and clean-up immediately.

CONTAINER DISPOSAL: Check federal, state, and local regulations for disposal

CHARACTERISTIC WASTE: Not applicable.

LISTED WASTE: Not applicable.

14. TRANSPORT INFORMATION:

DOT CLASSIFICATION: Not regulated by DOT

15. REGULATORY INFORMATION:

SARA TITLE III CLASSIFICATION: Not on SARA 302 list of reportable quantities

Proposition 65: Not listed, not a carcinogen.

RCRA CLASSIFICATION: Not applicable.

TSCA STATUS: Exempt, subject to FIFRA.

16. OTHER INFORMATION:

NFPA HAZARD RATINGS

HEALTH:	2	0	LEAST
FLAMMABILITY:	0	1	SLIGHT
REACTIVITY:	1	2	MODERATE
		3	HIGH
		4	SEVERE

MSDS ISSUED: January 15, 2003

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