

## SAFETY DATA SHEET

CUPRO ANTRACOL

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Date of issue: 30/09/2021

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Complying with 1907/2006/EEC Regulation of 18 December 2006 ("REACH Regulation")

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Product name: CUPRO ANTRACOL

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Common uses: Fungicide.

Uses advised against: N/A

#### 1.3 Details of the supplier of the safety data sheet

Liad Agro LTD

West Ind. Zone, 3 Amal St. Beth Shemesh Israel 9910302

Tel: +972 2 9903000

Fax: +972 2 9913145

E-mail address of person responsible for this SDS: N/A

#### 1.4 Emergency telephone number

Emergency telephone number (with hours of operation): N/A

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No. 1272/2008 (CLP):

Acute Tox. 4 H302

Skin Sens. 1 H317

STOT RE 2 H373

Aquatic Acute 1 H400

Aquatic Chronic 1 H410

See section 16 for the full text of the hazard statement declared above.

#### 2.2 Label elements

Labelling in accordance with Regulation 1272/2008 (CLP)

Hazard pictogram(s):



Signal word: Warning

Hazard statement(s):

H302: Harmful if swallowed.

H317: May cause an allergic skin reaction.

H373: May cause damage to organs through prolonged or repeated exposure.

H410: Very toxic to aquatic life with long lasting effects.

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### Precautionary Statement(s):

P260: Do not breathe dust.

P273: Avoid release to the environment.

P314: Get medical advice/attention if you feel unwell.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

### 2.3 Other hazard

Not available

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures:

Substance name	Identifiers	%	CLP Classification
Dicopper chloride trihydroxide	CAS number: 1332-65-6 EC number: 215-572-9	33-41	Acute Tox. 3 H301 Acute Tox. 4 H332 Aquatic Acute 1 H400 Aquatic Chronic 1 H410 M-Factor: 10 (acute), 10 (chronic) inhalation: ATE = 2.83 mg/L (dusts/mists) oral: ATE = 299 mg/kg
Propineb	CAS number: 9016-72-2 EC number: N/A	11-16.6	Skin Sens. 1 H317 Acute Tox. 4 H332 STOT RE 2 H373 Aquatic Acute 1 H400 Aquatic Chronic 1 H410 M-Factor: 10 (acute), 1 (chronic)
Alkylaryl sulfonate	CAS number: 91078-64-7 EC number: 293-346-9	0-1	Acute Tox. 4 H302 Acute Tox. 4 H332 Eye Irrit. 2 H319 Aquatic Chronic 3 H412

See section 16 for the full text of the H-statements declared above.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

**Occupational exposure limits, if available, are listed in section 8.**

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**Eyes contact:** In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes. Get medical attention.

**Skin contact:** Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Get medical attention.

**Inhalation:** Remove the victim from site of exposure to fresh air. If breathing is difficult, give oxygen. If not breathing give artificial respiration. Get medical attention.

**Ingestion:** **Do not induce vomiting.** If victim is conscious, wash mouth thoroughly with water. Never give anything by mouth to an unconscious person. Get medical attention.

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### **4.2 Most important symptoms and effects, both acute and delayed**

See section 2.2 (Label elements) and/or section 11 (Toxicological information) for the most important known symptoms and effects.

### **4.3 Indication of any immediate medical attention and special treatment needed**

Not available

## **SECTION 5: Fire-fighting measures**

### **5.1 Extinguishing media**

Suitable: Foam, carbon dioxide, dry powder, water spray.

Not suitable: Direct water jet.

### **5.2 Special hazards arising from the substance or mixture**

Under fire conditions may emit toxic and irritating fumes.

### **5.3 Advice for firefighters**

**Special protective equipment for fire fighters:** Fire fighters should wear full protective clothing and self-contained breathing apparatus in positive pressure mode.

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid breathing dust. Ensure adequate ventilation. Ventilate area of spill.

### **6.2 Environmental precautions**

Prevent entry into waterways, sewers, basements or confined areas.

### **6.3 Methods and materials for containment and cleaning up**

Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust.

### **6.4 Reference to other sections**

See Section 1 for emergency contact information.

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of dust. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice. Keep away from sources of ignition. Take measures to prevent the build up of electrostatic charge.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional information measures.

### **7.2 Conditions for safe storage, including any incompatibilities**

**Storage:** Keep container tightly closed in a dry and cool place. Keep away from acids (formation of carbon disulfide and hydrogen sulfide possible in reaction with acids).

### **7.3 Specific end use(s):** N/A

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### SECTION 8: Exposure control/personal protection

#### 8.1 Control parameters

Occupational exposure limit values: N/A

#### 8.2 Exposure controls

##### Engineering measures

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

##### Person Protective measures

Respiratory protection: Suitable respirator. Be sure to use an approved/certified equipment or equivalent equipment. Wear appropriate respirator when ventilation is inadequate.

Hand protection: Wear protective gloves to prevent skin exposure.

Eye protection: Wear protective safety glasses.

Skin protection: Wear appropriate long-sleeved clothing to minimize skin contact.

Environmental exposure controls: Not available

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Appearance: Blue Powder

Odour: Slight characteristic smell

Odour threshold: N/A

pH: 6-8 at 1% in water

Melting point/Freezing point: N/A

Initial boiling point/boiling range: N/A

Flash point: N/A

Evaporation rate: N/A

Flammability: N/A

Upper/lower flammability or explosive limits: N/A

Vapor pressure: N/A

Vapor density: N/A

Relative density: N/A

Solubility(ies): Dispersible in water

Partition coefficient Octanol/Water: N/A

Auto-ignition temperature: N/A

Decomposition temperature: N/A

Viscosity: N/A

Explosive properties: N/A

Oxidizing properties: N/A

#### 9.2 Other information

Bulk Density: approx. 202/174ml / 100gr (loose/packed)

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

Not available

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### 10.2 Chemical stability

The product is stable under normal handling and storage conditions described in Section 7.

### 10.3 Possibility of hazardous reactions

Hazardous reactions are not expected, under normal conditions of storage and use.

### 10.4 Conditions to avoid

Not available

### 10.5 Incompatible materials

Acids.

### 10.6 Hazardous decomposition products

Other decomposition products: not available

In the event of fire: see section 5

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity:

Product/substance name	Test	Species	Dose
Dicopper chloride trihydroxide	LD50, Oral	Rat	>950 mg/kg
	LD50, Dermal	Rat	>2000 mg/kg
	LC50, Inhalation	Rat	2.83 mg/L/4H
Propineb	LD50, Oral	Rat	>5000 mg/kg
	LD50, Dermal	Rat	>5000 mg/kg
	LC50, Inhalation	Rat	2.218 mg/L/4H

Skin corrosion/irritation: Not available

Serious eye damage/irritation: Not available

Respiratory or skin sensitization: May cause an allergic skin reaction.

Germ cell mutagenicity:

Propineb was not mutagenic or genotoxic based on the overall weight of evidence in a battery of in vitro and in vivo tests.

The weight of evidence suggests that copper and copper oxychloride is not mutagenic: the result of tests (*in vitro* – *in vivo* studies) in rats and the standard tests using somatic cells.

Carcinogenicity:

Propineb caused an increased incidence of tumours in mice in the following organ(s): Liver. The mechanism that triggers tumours in rodents and the type of tumours observed are not relevant to humans.

For copper oxychloride, results of long-term studies (rats and humans) and data from the literature are negative. No increase incidences of tumors were observed in the different animal studies.

Reproductive toxicity:

Propineb caused reproduction toxicity in a two-generation study in rats only at dose levels also toxic to the parent animals. The reproduction toxicity seen with Propineb is related to parental toxicity. Propineb did not cause developmental toxicity in rabbits. Propineb caused developmental toxicity in rats only at dose levels toxic to the dams. The developmental effects seen with Propineb are related to maternal toxicity.

For copper oxychloride, studies on rats, mice, rabbits – tests have shown no adverse effect on fertility or reproductive performance of the adults, no adverse effects on survival of the offspring through ton weaning.

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Specific target organ toxicity (single exposure): Not available

Specific target organ toxicity (repeated exposure): May cause damage to organs through prolonged or repeated exposure.

Propineb caused specific target organ toxicity in experimental animal studies in the following organ(s): Peripheral nervous system, Thyroid. Propineb caused Muscular weakness in animal studies. The observed effects do not appear to be relevant for humans.

Aspiration hazard: Not available

Other symptoms:

Various tests indicate possible occurrence of nausea, abdominal cramps and vomiting due to stomach irritation. Symptoms of being exposed to high concentrations of copper are hepatic toxicity and neurological disorders (but no adverse effects on the distribution in the tissues), rapid heart rate, lower blood pressure, cardiovascular collapse, and unconsciousness.

### SECTION 12: Ecological information

#### 12.1 Toxicity

Product/ingredient name	Toxicity to algae	Toxicity to fish	Toxicity to crustaceans
Dicopper chloride trihydroxide	ErC50/72h (algae): >197.7 mg/L	LC50/96h (fish): 0.08 mg/L	EC50/48h (aquatic invertebrates): 0.29 mg/L
Propineb	ErC50/72h (Raphidocelis subcapitata (freshwater green alga)): 0.022 mg/l NOEC/72h (Raphidocelis subcapitata (freshwater green alga)): 0.009 mg/l	LC50/96h (Oncorhynchus mykiss (rainbow trout)): 0.329 mg/l LC50/96h (Cyprinus carpio (Carp)): > 66.7 mg/l NOEC/28d Oncorhynchus mykiss (rainbow trout): 0.0823 mg/l	EC50/48h (Daphnia magna (Water flea)): 1.50 mg/l NOEC/21d (Daphnia (water flea)): 0.015 mg/l

#### 12.2 Persistence and Degradability

Not available

#### 12.3 Bioaccumulative potential

Not available

#### 12.4 Mobility in soil

Not available

#### 12.5 Results of PBT and vPvB assessment

Not available

#### 12.6 Other adverse effects

Very toxic to aquatic life with long lasting effects.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

##### Product

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

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### **Packing**

Empty containers should be taken for local recycling, recovery or waste disposal.

## **SECTION 14: Transport information**

### **14.1 Un number**

ADR/RID: 3077

IMDG: 3077

IATA: 3077

### **14.2 Proper shipping name**

ADR/RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Propineb, Copper Oxychloride)

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Propineb, Copper Oxychloride)

IATA: Environmentally hazardous substance, solid, n.o.s. (Propineb, Copper Oxychloride)

### **14.3 Transport hazard class(es)**

ADR/RID: 9

IMDG: 9

IATA: 9

### **14.4 Packing group**

ADR/RID: III

IMDG: III

IATA: III

### **14.5 Environmental hazard**

Marine Pollutant: yes

### **14.6 Special precautions for user**

Not available

### **14.7 Transport to bulk according to Annex II of MARPOL 79/78 and the IBC Code**

Not available

## **SECTION 15: Regulatory information**

This SDS complies with the following requirements of:  
EU Regulation (EC) No.1907/2006 (REACH) including amendments  
Regulation (EC) No.1272/2008 (CLP)

### **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Not available

### **15.2 Chemical safety assessment**

Not available

## **SECTION 16: Other information**

### **Full text of Hazards Statements referred to in sections 2 and 3:**

Acute Tox. - Acute toxicity

Eye Irrit. - Eye irritation

Aquatic Acute - Hazardous to the aquatic environment

Aquatic Chronic - Hazardous to the aquatic environment

Skin Sens. - Skin sensitization

STOT RE - Specific target organ toxicity — repeated exposure

H301: Toxic if swallowed.



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H302: Harmful if swallowed.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H373: May cause damage to organs through prolonged or repeated exposure.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

Training advice: Before using/handling the product one must read carefully present SDS.

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