

## **SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE COMPANY OR ENTERPRISE**

### **1.1 Product identification**

Product type: fertilizer

Product name: Cooper active

Name of substance: cupric sulfate

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

#### **1.2.1 Relevant uses identified**

Agriculture: fertilizer for professional use in agricultural crops and plantations

#### **1.2.2. Unadvised uses**

No more information available

### **1.3 Safety data sheet supplier information**

Company responsible for marketing:

CROPCELL WORLD SL

Av. Consitució , 43-A

07340 Alaró (Illes Balears)

### **1.4 Emergency telephone**

National Institute of Toxicology: 915 620 420

## **SECTION 2: HAZARD IDENTIFICATION**

### **2.1 Classification of the substance or mixture**

Skin irritation: category 2 – Care [CLP: Skin Corr.2] H315

Eye irritation: category 2nd – Care [CLP: Eye Irrit . 2] H319  
Significant adverse effects on the environment: Not classified

## 2.2 Label elements

Labeled according to European Regulation 1272/2008

Pictogram:



Warning word: Danger

Danger indication

H302 Harmful if swallowed.

H314 Causes severe burns to the skin and serious eye damage.

H400 Very toxic to aquatic organisms.

H411 Toxic to aquatic organisms, causes long-lasting harmful effects.

Tips for caution

P260 Do not breathe the octopus/the humo/the gas/the niebla/the vapors/the aerosol.

P264 Wash...carefully after handling.

P273 Avoid release into the environment.

P280 Carry gloves/protective clothing/protective equipment for your eyes/face/ears/... P

303+P361+P353 IN CASE OF CONTACT WITH THE PIEL (or hair): Remove all contaminated clothing immediately. Rinse

the skin with water [or shower].

P305+P351+P338 IF CONTACT WITH EYES: Rinse carefully with water for several minutes.

Removing contact lenses when

they are present can be done easily. Proceed with washing.

P310 Call immediately to a TOXICOLOGY CENTER /doctor/...

Contains: copper sulfate pentahydrate .

### 2.3 Other hazards

The mixture does not contain substances classified as PBT (Persistent, Bioaccumulable and Toxic).

The mixture does not contain substances classified as vPvB (very persistent and very bioaccumulable ).

The mixture does not contain substances with endocrine-altering properties.

Under conditions of normal use and in its original form, the product does not have any other negative effects on health and the environment..

## SECTION 3: COMPOSITION/INFORMATION ON COMPONENTS

### 3.1 Substances

Not applicable.

### 3.2 Mixes

| Identifiers                                                         | Name of the substance       | %     | CLASSIFICATION                                                                                      |
|---------------------------------------------------------------------|-----------------------------|-------|-----------------------------------------------------------------------------------------------------|
| Index No .: 029-023-00-4 CAS<br>No.: 7758-99-8 CE No.:<br>231-847-6 | Copper sulfate pentahydrate | 5-25% | Acute Tox . 4, H302 - Aquatic Acute 1, H400 (M=10)<br>- Aquatic Chronic 1, H410 - Eye Dam . 1, H318 |

## SECTION 4: FIRST AID

### 4.1 Description of first aid measures

First general aid measures: if you feel unwell, consult a doctor (show the label whenever possible).

First aid measures in case of inhalation: move the victim to free air. If you feel unwell, consult a doctor.

First aid measures in case of contact with the skin: remove the affected clothing and wash the exposed skin areas with a soft soap and water; Next, rinse with hot water. In case of skin irritation: consult a doctor.

First aid measures in case of eye contact: IN CASE OF EYE CONTACT: Carefully clarify with water for several minutes.

Removing contact lenses is easy and easy. Continue clarifying. If eye irritation persists: Consult a doctor.

First aid measures in case of ingestion: in case of ingestion, rinse the mouth with water (only if the person is conscious).

Do not induce vomiting. Consult a doctor if you feel unwell.

#### **4.2 Main symptoms and effects, acute and delayed**

Corrosive product, contact with eyes or skin can cause burns, ingestion or inhalation can cause internal damage. In the event of an emergency, immediate medical assistance is required.

Harmful product. Prolonged exposure through inhalation may cause anesthetic effects and require immediate medical attention .

Contact with eyes can cause irreversible damage

#### **4.3 Indication of any medical care and special treatment that should be given immediately**

In cases of doubt or when symptoms of discomfort persist, request medical attention. Never administer anything orally to people who are unconscious. Do not induce vomiting. If the person vomits, empty the respiratory tract.

### **SECTION 5: FIREFIGHTING MEASURES**

#### **5.1 Extinguishing media**

Appropriate extinguishing media: Octopus or CO2 extinguisher. In case of more serious fires, alcohol-resistant foam and water spray are also available.

Unsuitable extinguishing media: do not use direct water for extinguishing. In the presence of electrical voltage, it is not acceptable to use water or foam as an extinguishing medium.

#### **5.2 Hazards specific to the substance or mixture**

Fire hazard: non-combustible.

Explosion hazard: not classified.

In case of fire: use appropriate extinguishing media: Fire extinguishers, dry foam, water or other compounds.

Unusual risks of explosion or fire: low amounts of oxides can occur.

Impact explosion risks: not available.

Explosion risks due to static electricity discharge: not available.

### **5.3 Recommendations for firefighting personnel**

Precautionary measures against fires: follow the safety instructions.

Instructions for extinguishing a fire : all firefighting personnel must carry protective clothing. Use appropriate measures to combat surrounding fires.

Protection during fire extinguishing: carry a self-contained breathing apparatus near the fire.

Additional information : do not pour directly into the drain.

## **SECTION 6: MEASURES IN CASE OF ACCIDENTAL SPILLAGE**

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

For personnel who are not part of emergency services: avoid contact with the product.

For emergency personnel: use suitable protective clothing.

### **6.2 Environmental precautions**

Do not contaminate the water with the product or its packaging. Do not clean the product application equipment around surface water, avoiding contamination through water evacuation systems from farms and roads.

### **6.3 Environmental precautions**

Recover the product with absorbent material such as sand, earth, diatoms, etc. Prevent it from spreading using absorbent material dams. Recover it in specially marked airtight containers. If safe disposal is not possible, contact the manufacturer, sales agent or local representative.

Use suitable personal protection equipment: gloves, protective lenses, boots and waterproof clothing.

#### **6.4 References to other sections**

See Sections 8 and 13.

## **SECTION 7: HANDLING AND STORAGE**

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

Precautions for safe handling: avoid contact with skin, eyes and clothing. Ensure adapted ventilation. Wear suitable protective clothing, gloves and a protective device for your eyes or face.

Hygiene measures: do not eat, drink or smoke in places where the product is used. Manipulate by practicing one good industrial hygiene and applying safety procedures.

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

Technical measures: handle and open containers with caution.

Storage conditions: keep food and drinks away, including animal feed products.

Incompatible products: strong acids. Potent oxidants.

Incompatible materials: see section 10 about incompatible materials.

Storage temperature: 5 - 35 °C

Storage location: store at room temperature. Store avoiding freezing. Store in one place protected from heat and humidity. Store in a dry place. Store in a well-ventilated place.

Particular regulations when packaging: adhere to the original packaging.

### **7.3 Specific end uses**

Fertilizer

## **SECTION 8: EXPOSURE CONTROLS/INDIVIDUAL PROTECTION**

### **8.1 Control parameters**

No professional exposure limits have been established for this product.

## 8.2 Exposure controls

Appropriate technical controls: ensure adequate ventilation.

Personal protection equipment: safety goggles. Guantes.

Hand protection: protective gloves.

Eye protection: safety glasses.

Skin and body protection: provide skin protection adapted to the conditions of use.

Respiratory tract protection: do not breathe aerosols. In case of insufficient ventilation, use suitable respiratory equipment.



## **SECTION 9: PHYSICO-CHEMICAL PROPERTIES**

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

Aspect: Liquid  
Color: Transparent blue  
Olfactory threshold: Does not apply  
Odor: Characteristic odor  
pH: 2 (20%)  
Melting point/Freezing point: Not available  
Initial boiling point and boiling interval: Not available  
Inflammation point: Not available  
Evaporation rate: Non-flammable  
Flammability: Non-flammable  
Upper/lower flammability and explosive limits:

Not available  
Steam pressure: Not available  
Vapor density: Air =1:available  
Relative density: 1.20 kg/L  
Solubility(ies): Soluble in water  
Distribution coefficient n- octanol /water:

Not available  
Auto-ignition temperature: Not available  
Decomposition temperature: Not available  
Viscosity: Not available  
Explosive properties: In the explosive  
Oxidizing properties: No oxidation

### **9.2 Additional information**

Not available

## **SECTION 10: STABILITY AND REACTIVITY**

### **10.1 Reactivity**

The product does not present any dangers due to its reactivity.



### **10.2 Chemical stability**

Unstable in contact with: bases

### **10.3 Possibility of hazardous reactions**

Neutralization can be produced in contact with bases

### **10.4 Conditions to avoid**

Avoid contact with bases, heat sources and sun exposure

### **10.5 Incompatible materials**

Strongly oxidizing materials

### **10.6 Hazardous decomposition products**

Nitrogen oxide

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **11.1 Information on toxicological effects**

#### **11.1.1 Substance**

There are no available test data for the product.

Repeated or prolonged contact with the product can cause the elimination of grease from the skin, giving rise to non-

allergic contact dermatitis where the product is absorbed through the skin.

Acute toxicity: Product classified: Acute oral toxicity, Category 4: Harmful if swallowed.

Estimation of acute toxicity (ATE): Mixtures: ATE (Oral) = 500 mg/

Skin corrosion or irritation: Product classified: Skin corrosive, Category 1: Causes severe skin burns and serious eye damage.

Serious eye damage or eye irritation: product classified: serious eye damage, Category 1: causes serious eye damage.

Respiratory or skin sensitization: data inconclusive for classification.

Carcinogenicity: data not conclusive for classification.

Toxicity for reproduction: data inconclusive for classification.

Specific toxicity in certain organs (STOT) – single exposure: data not conclusive for classification.

Specific toxicity in certain organs (STOT) – repeated exposure: data inconclusive for classification.

Danger by aspiration: data not conclusive for classification.

## **SECTION 12: ECOLOGICAL INFORMATION**

### **12.1 Toxicity**

Acute toxicity: no data available

Sediment toxicity: no data available.

Terrestrial toxicity: this product is irritating to animals. Spills in large quantities on small surfaces can noticeably alter the nutritional composition of the soil, altering the flora.

### **12.2 Persistence and degradability**

There are no data available.

### **12.3 Bioaccumulation potential**

There are no data available.

### **12.4 Mobility in soil**

There are no data available.

### **12.5 Results of the PBT and vPvB assessment**

There are no data available.

### **12.6 Other adverse effects**

There are no data available.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

### **13.1 Waste management methods**

Dispose of safely in accordance with local/national regulations. Avoid personal exposure.

Dispose of waste products in an authorized facility for the treatment of chemical waste.

## **SECTION 14: TRANSPORT INFORMATION**

### **14.1 UN Number**

UN No.: UN3082

### **14.2 Official shipping name of the United Nations**

ADR/ RID: UN 3082, LIQUID SUSTANCIA DANGEROUS TO THE ENVIRONMENT, NEP (CONTAINS COPPER SULFATE PENTAHYDRATED), 9, GE III, (-) IMDG: UN 3082, LIQUID SUSTANCIA DANGEROUS TO THE ENVIRONMENT, NEP (CONTAINS SULFATE OF COPPER PENTAHYDRATED), 9, GE/E III, CONTAMINANTE DEL MAR ICAO/IATA: UN 3082, ENVIRONMENTALLY DANGEROUS LIQUID SUBSTANCE, NEP (CONTIENE COPPER SULFATE PENTAHYDRATED), 9, GE III

### **14.3 Danger class(es) for transport**

Class(es): 9

### **14.4 Packaging group**

Packaging group: III

#### 14.5 Dangers to the environment

Marine contaminant: Si Dangerous for the environment.



Transport by boat, FEm - Emergency sheets (F – Fire, S – Spills): F- A,S -F

#### 14.6 Particular precautions for users

Tags: 9



Danger number: 90 ADR limited quantity: 5 L IMDG limited quantity: 5 L ICAO limited quantity: 30 kg B Provisions relating to bulk transport in ADR: Bulk transport is not authorized under the ADR. Act according to point 6.

#### 14.7 Transport in bulk with Annex II of the MARPOL Agreement 73/78 and the IBC Code

The product is not affected by bulk transportation in ships.

### SECTION 15: REGULATORY INFORMATION

#### 15.1 Regulations and legislation in matters of safety, health and environment specific to sustainability or mixture

Directive 67/548/CEE of the council of June 27, 1967, relating to the approximation of legal, regulatory and administrative provisions in matters of classification, packaging and labeling of dangerous substances.

Directive 1999/45/CE on the approximation of legal, regulatory and administrative provisions of the Brazilian States relating to the classification, packaging and labeling of dangerous preparations.

Directive 91/689/EEC on hazardous waste.

Directive 91/156/EEC on waste.

Regulation CE 1907/2007 regarding registration, evaluation of authorization and restrictions of REACH chemical substances and preparations.

Regulation (EU) No. 453/2010, which modifies regulation (CE) No. 1907/2006, relating to the registration, evaluation, authorization and restriction of REACH chemical substances and preparations.

Regulation (CE) 1272/2008 on the classification, labeling and packaging of substances and mixtures.

Royal Decree 363/1995. Regulation on classification, packaging and labeling of dangerous substances.

## **15.2 Chemical safety assessment**

The chemical safety assessment for this product has been carried out.

## **SECTION 16: OTHER INFORMATION**

Full text of the H phrases that appear in section 3:

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H400 Very toxic to aquatic organisms.

H410 Very toxic to aquatic organisms, with long-lasting harmful effects. Classification codes:

Acute Tox . 4 : Acute oral toxicity, Category 4

Aquatics Acute 1 : Acute toxicity to the aquatic environment, Category 1

Aquatics Chronicle 1: Chronic effects on the aquatic environment, Category 1

Aquatics Chronicle 2: Chronic effects on the aquatic environment, Category 2

Eye Dam . 1 : Serious eye injury, Category 1

Skin Corr . 1 : Skin corrosive, Category 1

**Classification and procedure used to determine the classification of mixtures within the framework of Regulation (CE) no 1272/2008 [CLP]:**

Physical dangers: According to data obtained from tests

Dangers to health: Calculation method

Dangers to the environment: Calculation method

It is advisable to carry out basic training regarding safety and occupational hygiene to carry out correct product handling.

Abbreviations and acronyms used:

ADR/ RID: European agreement on the international transport of dangerous goods by road.

CEN: European Committee for Standardization. PPE: Personal protection equipment.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organization.

IMDG: International Maritime Code of Dangerous Goods.

RID: Regulation concerning the international transport of dangerous goods by railway.

Main bibliographical references and data sources: <http://eur-lex.europa.eu/homepage.html>  
<http://echa.europa.eu/>

Reglamento (EU) 2020/878. Regulation (CE) No 1907/2006. Regulation (EU) No 1272/2008. The information provided in this Safety Data sheet has been written in accordance with COMMISSION REGLAMENT (UE) 2020/878 of June 18, 2020 by which Annex II of Regulation (CE) no 1907/2006 is modified of the European Parliament and the Council, relating to the registration, evaluation, authorization and restriction of substances and chemical mixtures (REACH).

Revisions of this safety data sheet: version: 01

This information is based on our current knowledge and has the purpose of describing the product for the purposes of health, safety and environmental requirements only. Therefore, it should not be interpreted as a guarantee of any specific characteristic of the product.