



# SAFETY DATA SHEET

YaraVita COPTREL 500

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

### 1.1 Product identifier

**Product name** : YaraVita COPTREL 500  
**Product code** : PYP24M  
**Product type** : liquid

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

Identified uses
Industrial distribution. Industrial USE to formulate fertilisers product mixtures. Professional formulation of fertiliser products. Professional USE as fertiliser at Farm - loading and spreading (includes soil conditioning). Professional USE as fertiliser in Greenhouse (e.g. Fertigation, includes pH control of fertiliser solution with acid). Professional USE as liquid fertiliser in open field (e.g. Fertigation). Professional USE as fertiliser - maintenance of equipment.

<b>Uses advised against</b> : Other non-specified industry
<b>Reason</b> : Due to lack of related experience or data, the supplier cannot approve this use.

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

Yara UK Limited  
**Address**  
**Street** : Harvest House, Europarc  
**Postal code** : DN37 9TZ  
**City** : Grimsby, North East Lincolnshire  
**Country** : United Kingdom  
**Telephone number** : +44 (0) 1472 889250  
**Fax no.** : +44 (0) 1472 889251  
**e-mail address of person responsible for this SDS** : yara.uk.hesq@yara.com

### 1.4 Emergency telephone number

**National advisory body/Poison Center** : Not available.

**Supplier**  
**Telephone number** : National Chemical Emergency Centre

Hours of operation : +44 (0) 1865 407333  
24h

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Product definition : Mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification : Acute Tox.4, H302  
Eye Dam./Irrit.2, H319  
Aquatic Acute1, H400  
Aquatic Chronic1, H410

#### Classification according to Directive 1999/45/EC [DPD]

Classification : Xn, R20/22  
Xi, R36  
N, R50/53

See Section 16 for the full text of the R phrases or H statements declared above.  
See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

Hazard pictograms : 

Signal word : Warning

Hazard statements : Harmful if swallowed.  
Causes serious eye irritation.  
Very toxic to aquatic life with long lasting effects.

#### Precautionary statements

Prevention : Wear eye protection. Wash hands thoroughly after handling. Avoid release to the environment. Wear eye or face protection: Recommended: Tightly-fitting goggles CEN: EN166 Avoid release to the environment. Do not eat, drink or smoke when using this product.

Response : Collect spillage. Collect spillage.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage : Not applicable.

Disposal : Not applicable.

Hazardous ingredients : dicopper oxide

Supplemental label elements : Not applicable.

EU Regulation (EC) No. 1907/2006 (REACH) Annex XVII : Not applicable.

- Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

### Special packaging requirements

Containers to be fitted with child-resistant fastenings : Not applicable.  
Tactile warning of danger : Not applicable.

### 2.3 Other hazards

Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII : Not applicable. Not applicable.  
Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII : Not applicable. Not applicable.

## SECTION 3: Composition/information on ingredients

Substance/mixture : Mixture

Product / ingredient name	Identifiers	%	Classification		Type
			67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	
dicopper oxide	RRN: 01-2119513794-36 EC: 215-270-7 CAS : 1317-39-1 Index: 029-002-00-X	35 - 50	Xn; R50/53 N; R36 Xi; R20/22	Acute Tox. 4 H302 Acute Tox. 4 H332 Eye Dam./Irrit. 2 H319 Aquatic Acute 1 H400 Aquatic Chronic 1 H410 M-factor : 10	[1]
ethanediol	RRN: Not available. EC: 203-473-3 CAS : 107-21-1 Index: 603-027-00-1	3 - 7	Xn; R22	Acute Tox. 4 H302	[1][2]

### Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

See Section 16 for the full text of the R phrases or 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

- Eye contact** : Immediately flush eyes with plenty of water for at least 15 minutes, keeping eyelids open. Remove contact lenses, if present and easy to do. Get medical attention.
- Inhalation** : If inhaled, remove to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. Get medical attention if adverse health effects persist or are severe.
- Skin contact** : Wash with soap and water. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

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

#### Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : Harmful if swallowed. Irritating to mouth, throat and stomach.

#### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : Adverse symptoms may include the following:

stomach pains

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

**Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

**Specific treatments** : No specific treatment.

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

**Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media** : None identified.

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

**Hazards from the substance or mixture** : In a fire or if heated, a pressure increase will occur and the container may burst. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
nitrogen oxides  
metal oxide/oxides  
ammonia  
Avoid breathing dusts, vapors or fumes from burning materials.  
In case of inhalation of decomposition products in a fire, symptoms may be delayed.

### **5.3 Advice for firefighters**

**Special precautions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

**Additional information** : None.

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

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

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**6.2 Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

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

**Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. Material free from contamination can be used for its original purpose.

**Large spill** : Immediately contact emergency personnel. Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

**6.4 Reference to other sections** : See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

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

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

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

**Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product

residue and can be hazardous. Do not reuse container.

**Advice on general occupational hygiene**

- : 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 on hygiene measures.

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

**Recommendations**

- : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Bund storage facilities to prevent soil and water pollution in the event of spillage.

**Seveso II Directive - Reporting thresholds**

**Danger criteria**

Category	Notification and MAPP threshold	Safety report threshold
E1: Hazardous to the aquatic environment - Acute 1 and Chronic 1	100 t	200 t
C9i: Very toxic for the environment	100 t	200 t

**7.3 Specific end use(s)**

**Recommendations**

- : Not available.

**Industrial sector specific solutions**

- : Not available.

## SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

**8.1 Control parameters**

**Occupational exposure limits**

Product / ingredient name	Exposure limit values
ethanediol	<p><b>EU OEL (2000-06-01)</b> Time Weighted Average (TWA) 52 mg/m<sup>3</sup> , 20 ppm</p> <p><b>EU OEL (2000-06-01)</b> Short Term Exposure Limit (STEL) 104 mg/m<sup>3</sup> , 40 ppm</p> <p><b>EH40/2005 WELs (2001-12-01)</b> Time Weighted Average (TWA) 10 mg/m<sup>3</sup> Form: Particulate matter</p> <p><b>EH40/2005 WELs (2005-04-06)</b> Short Term Exposure Limit (STEL) 104 mg/m<sup>3</sup> , 40 ppm Form: Vapor</p> <p><b>EH40/2005 WELs (2005-04-06)</b> Time Weighted Average (TWA) 52 mg/m<sup>3</sup> , 20 ppm Form: Vapor</p>

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.  
Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

### DNELs/DMELs

Product / ingredient name	Type	Exposure	Value	Population	Effects
dicopper oxide	DNEL	Long term Dermal	137 mg/kg bw/day	Workers	Systemic
dicopper oxide	DNEL	Long term Oral	0,041 mg/kg bw/day	Consumers	Systemic

### PNECs

Product / ingredient name	Type	Compartment Detail	Value	Method Detail
dicopper oxide	PNEC	Fresh water	0,0078 mg/l	Assessment Factors
dicopper oxide	PNEC	Marine water	0,0052 mg/l	Assessment Factors
dicopper oxide	PNEC	Fresh water sediment	87 mg/kg dwt	Assessment Factors
dicopper oxide	PNEC	Marine water sediment	676 mg/kg dwt	Assessment Factors
dicopper oxide	PNEC	Soil	65 mg/kg dwt	Assessment Factors
dicopper oxide	PNEC	Sewage Treatment Plant	0,23 mg/l	Assessment Factors

## 8.2 Exposure controls

**Appropriate engineering controls** : No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. A washing facility or water for eye and skin cleaning purposes should be present.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. Recommended: Tightly-fitting goggles CEN: EN166

### Skin protection

- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.  
> 8 hours (breakthrough time): Protective gloves should be worn under normal conditions of use.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

- Physical state** : liquid
- Color** : Brownish-red.
- Odor** : Not determined.
- Odor threshold** : Not determined.
- pH** : 9,6
- Melting point/freezing point** : -8 °C
- Initial boiling point and boiling range** : Not determined
- Flash point** : Not determined
- Evaporation rate** : Not determined
- Flammability (solid, gas)** : Non-flammable.
- Burning time** : Not determined
- Burning rate** : Not determined
- Upper/lower flammability or explosive limits** : **Lower:** Not determined  
**Upper:** Not determined
- Vapor pressure** : Not determined
- Vapor density** : Not determined
- Relative density** : 1,523
- Bulk density** : Not determined
- Partition coefficient: n-** : Not determined

octanol/water	
Auto-ignition temperature	: Not determined
Viscosity	: <b>Dynamic:</b> 1.500 - 2.500 mPa.s
	<b>Kinematic:</b> Not determined
Explosive properties	: None.
Oxidizing properties	: None.

## 9.2 Other information

No additional information.

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity</b>	: No specific test data related to reactivity available for this product or its ingredients.
<b>10.2 Chemical stability</b>	: The product is stable.
<b>10.3 Possibility of hazardous reactions</b>	: Under normal conditions of storage and use, hazardous reactions will not occur.
<b>10.4 Conditions to avoid</b>	: No specific data.
<b>10.5 Incompatible materials</b>	: Urea reacts with calcium hypochlorite or sodium hypochlorite to form the explosive nitrogen trichloride.
<b>10.6 Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Product / ingredient name	Result	Species	Dose	Exposure	References
dicopper oxide					
	LD50 Oral	Rat - Female	> 928 mg/kg OECD 401	-	IUCLID 5
	LC50 Inhalation	Rat	3,34 mg/l OECD 403	4 h	IUCLID 5
	LD50 Dermal	Rabbit	> 2.000 mg/kg OECD 402	-	IUCLID 5
ethanediol					
	LD50 Oral	Rat	4.700 mg/kg	-	VCVGK* - ,139,1984

**Conclusion/Summary** : No known significant effects or critical hazards.

#### Irritation/Corrosion

Product / ingredient name	Result	Species	Score	Exposure	Observation	References
dicopper oxide	Eyes -	Rabbit		21 d	-	IUCLID 5

	Moderate irritant OECD 405					
ethanediol	Eyes - Moderate irritant	Rabbit			-	
	Skin - Mild irritant	Rabbit			-	
	Eyes - Mild irritant	Rabbit			-	
	Eyes - Mild irritant	Rabbit			-	

**Conclusion/Summary**

- Skin** : No known significant effects or critical hazards.  
**Eyes** : Causes serious eye irritation.  
**Respiratory** : No known significant effects or critical hazards.

**Sensitization**

Product / ingredient name	Route of exposure	Species	Result	References
dicopper oxide	Skin	Pig	Not sensitizing OECD 406	

**Conclusion/Summary**

- Skin** : No known significant effects or critical hazards.  
**Respiratory** : No known significant effects or critical hazards.

**Mutagenicity**

- Conclusion/Summary** : No known significant effects or critical hazards.

**Carcinogenicity**

- Conclusion/Summary** : No known significant effects or critical hazards.

**Reproductive toxicity**

Product / ingredient name	Maternal toxicity	Fertility	Development toxin	Species	Dose	Exposure	References
dicopper oxide	-	Negative	-	Rat	Oral : > 1500 mg/kg 416 Two-Generation Reproduction Toxicity Study		IUCLID 5
	-	-	Negative	Rabbit	Oral : 6 mg/kg bw/day OECD 414		IUCLID 5

- Conclusion/Summary** : No known significant effects or critical hazards.

**Teratogenicity**

**Conclusion/Summary** : No known significant effects or critical hazards.

**Information on the likely routes of exposure** : No known significant effects or critical hazards.

**Potential acute health effects**

**Inhalation** : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

**Ingestion** : Harmful if swallowed. Irritating to mouth, throat and stomach.

**Skin contact** : No known significant effects or critical hazards.

**Eye contact** : Causes serious eye irritation.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Inhalation** : No specific data.

**Ingestion** : Adverse symptoms may include the following: stomach pains

**Skin contact** : No specific data.

**Eye contact** : Adverse symptoms may include the following: pain or irritation watering redness

**Delayed and immediate effects and also chronic effects from short and long term exposure****Short term exposure**

**Potential immediate effects** : No known significant effects or critical hazards.

**Potential delayed effects** : No known significant effects or critical hazards.

**Long term exposure**

**Potential immediate effects** : No known significant effects or critical hazards.

**Potential delayed effects** : No known significant effects or critical hazards.

**Potential chronic health effects**

<b>Product / ingredient name</b>	<b>Result</b>	<b>Species</b>	<b>Dose</b>	<b>Exposure</b>	<b>References</b>
dicopper oxide	Sub-chronic NOAEL Oral	Rat	1000 mg/kg OECD 408	92 days 7 days per week	IUCLID 5

**Conclusion/Summary** : No known significant effects or critical hazards.

**General** : No known significant effects or critical hazards.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

## SECTION 12: Ecological information

### 12.1 Toxicity

Product / ingredient name	Result	Species	Exposure	References
dicopper oxide				
	Acute LC50 0,08 - 0,28 mg/l Fresh water	Fish - Fish	96 h	IUCLID 5
	Acute EC50 0,028 - 0,792 mg/l Fresh water OECD 211	Aquatic invertebrates. Water flea	21 d	IUCLID 5
	Acute EC50 0,333 mg/l Fresh water OECD 201	Aquatic plants - Algae	72 h	IUCLID 5
ethanediol				
	Acute LC50 16.000 mg/l Fresh water	Fish - Rainbow trout,donaldson trout	96 h	Resour.Publ.No. 160, U.S.Dep.Interior , Fish Wildl.Serv., Washington, DC :505 p. (USGS Data File)
	Acute LC50 27.540 mg/l Fresh water	Fish - Bluegill	96 h	In: D.H.Hemphill and C.R.Cothern (Eds.), Trace Substances in Environmental Health, Suppl.Volume 12, Proc.Conf.Held inthe Hotel Wastin, May 29-June 1, 1989, Cincinnati, OH :371-378

**Conclusion/Summary** : Very toxic to aquatic life with long lasting effects.

### 12.2 Persistence and degradability

**Conclusion/Summary** : No known significant effects or critical hazards.

### 12.3 Bioaccumulative potential

Product / ingredient name	LogPow	BCF	Potential	References
ethanediol	-1,36	-		

**Conclusion/Summary** : No known significant effects or critical hazards.

**12.4 Mobility in soil**

- Soil/water partition coefficient (KOC)** : Not available.  
**Mobility** : Not available.

**12.5 Results of PBT and vPvB assessment**

- PBT** : Not applicable. P: Not available. B: Not available. T: Not available.  
**vPvB** : Not applicable. vP: Not available. vB: Not available.

- 12.6 Other adverse effects** : No known significant effects or critical hazards.

**SECTION 13: Disposal considerations**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

**13.1 Waste treatment methods****Product**

- Methods of disposal** : The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
- Hazardous waste** : The classification of the product may meet the criteria for a hazardous waste.

**Packaging**

- Methods of disposal** : The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
- Special precautions** : This material and its container must be disposed of in a safe way.  
 Care should be taken when handling emptied containers that have not been cleaned or rinsed out.  
 Empty containers or liners may retain some product residues.  
 Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**SECTION 14: Transport information**

<b>Regulation: ADR/RID</b>	
<b>14.1 UN number</b>	3082
<b>14.2 UN proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dicopper oxide, )
<b>14.3 Transport hazard class(es)</b>	9

	
<b>14.4 Packing group</b>	III
<b>14.5 Environmental hazards</b>	Yes.
<b>14.6 Additional information</b>	: <b>ADR/RID</b>
<b><u>Hazard identification number</u></b>	: 90
<b><u>Limited quantity</u></b>	: LQ7
<b><u>Tunnel code</u></b>	: (E)

<b>Regulation: ADN</b>	
<b>14.1 UN number</b>	3082
<b>14.2 UN proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dicopper oxide, )
<b>14.3 Transport hazard class(es)</b>	9 
<b>14.4 Packing group</b>	III
<b>14.5 Environmental hazards</b>	Yes.
<b>14.6 Additional information</b>	: <b>ADN</b>
<b><u>Marine pollutant</u></b>	: Yes.

<b>Regulation: IMDG</b>	
<b>14.1 UN number</b>	3082
<b>14.2 UN proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dicopper oxide, )
<b>14.3 Transport hazard class(es)</b>	9 
<b>14.4 Packing group</b>	III
<b>14.5 Environmental hazards</b>	Yes.
<b>14.6 Additional information</b>	: <b>IMDG</b>
<b><u>Marine pollutant</u></b>	: Yes.
<b><u>Special precautions for user</u></b>	: Not applicable.
<b><u>Emergency schedules (EmS)</u></b>	: F-A, S-F

<b>Regulation: IATA</b>	
<b>14.1 UN number</b>	3082
<b>14.2 UN proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s. (dicopper oxide, )
<b>14.3 Transport hazard class(es)</b>	9

	
<b>14.4 Packing group</b>	III
<b>14.5 Environmental hazards</b>	Yes.
<b>14.6 Additional information</b>	: IATA
<b>Marine pollutant</b>	: Yes.
<b>Special precautions for user</b>	: Not applicable.
<b>Passenger and Cargo Aircraft</b>	
<b>Quantity limitation</b>	: 450.00 L
<b>Packaging instructions</b>	: 964
<b>Cargo Aircraft</b>	
<b>Quantity limitation</b>	: 450.00 L
<b>Packaging instructions</b>	: 964

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not available.

**14.8 IMSBC** : Not applicable.**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU Regulation (EC) No. 1907/2006 (REACH)****Annex XIV - List of substances subject to authorization  
Substances of very high concern**

Not applicable.

**Other EU regulations**

**Europe inventory** : Not determined.  
**Integrated pollution prevention and control list (IPPC) - Air** : Not listed  
**Integrated pollution prevention and control list (IPPC) - Water** : Not listed

**Seveso II Directive**

This product is controlled under the Seveso II Directive.

**Danger criteria**

<b>Category</b>
E1: Hazardous to the aquatic environment - Acute 1 and Chronic 1 C9i: Very toxic for the environment

**National regulations****Notes** : To our knowledge no other country or state specific regulations are applicable.**15.2 Chemical Safety Assessment** : This product contains substances for which Chemical Safety Assessments are still required.

## SECTION 16: Other information

**Abbreviations and acronyms** :

- ATE = Acute Toxicity Estimate
- CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
- DNEL = Derived No Effect Level
- DMEL = Derived Minimal Effect Level
- EUH statement = CLP-specific Hazard statement
- PNEC = Predicted No Effect Concentration
- RRN = REACH Registration Number
- PBT = Persistent, Bioaccumulative and Toxic
- vPvB = Very Persistent and Very Bioaccumulative
- bw = Body weight

**Key literature references and sources for data** :

- EU REACH IUCLID5 CSR
- Regulation (EC) No 1272/2008 Annex VI
- National Institute for Occupational Safety and Health, U.S. Dept. of Health, Education, and Welfare, Reports and Memoranda Registry of Toxic Effects of Chemical Substances
- IHS, 4777 Levy Street, St Laurent, Quebec HAR 2P9, Canada.

### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Acute Tox. 4 H302	Calculation method
Eye Dam./Irrit. 2 H319	Calculation method
Aquatic Acute 1 H400	Calculation method
Aquatic Chronic 1 H410	Calculation method

**Full text of abbreviated H statements** :

- H302 Harmful if swallowed.
- H332 Harmful if inhaled.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H319 Causes serious eye irritation.

**Full text of classifications [CLP/GHS]** :

- Acute Tox. 4, H302:** ACUTE TOXICITY: ORAL - Category 4
- Acute Tox. 4, H332:** ACUTE TOXICITY: INHALATION - Category 4
- Aquatic Acute 1, H400:** AQUATIC TOXICITY (ACUTE) - Category 1
- Aquatic Chronic 1, H410:** AQUATIC TOXICITY (CHRONIC) - Category 1
- Eye Dam./Irrit. 2, H319:** SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2

**Full text of abbreviated R phrases** :

- R22- Harmful if swallowed.
- R36- Irritating to eyes.
- R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Full text of classifications [DSD/DPD]** :

- Xn - Harmful
- Xi - Irritant
- N - Dangerous for the environment.

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|| Indicates information that has changed from previously issued version.

**Notice to reader**

To the best of our knowledge, the information provided in this Safety Data Sheet is accurate as at the date of its issue. The information it contains is being given for safety guidance purposes and relates only to the specific material and uses described in it. This information does not necessarily apply to that material when combined with other material(s) or when used otherwise than as described herein, since all materials may represent unknown hazards and should be used with caution. Final determination of the suitability of any material is the sole responsibility of the user.



**Annex to the extended Safety Data Sheet (eSDS) -  
Exposure Scenario:**

**Identification of the substance or mixture**

**Product definition** : Mixture

**Product name** : YaraVita COPTREL 500

**Exposure Scenario information** : Not yet complete.