


SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Chemical Nature:	Coptrol is a chelated copper compound		
Trade Name:	COPTROL		
SUPPLIER:	Aquatic Technologies		
ADDRESS:	41 Yazaki Way Carrum Downs VIC 3201, Australia		
TELEPHONE	+61 3 9071 2442	FAX:	
Substance:	Liquid	Product Use:	Aquatic Algaeicide
This version issued:	December 2019	Up for revision:	December 2024
In case of Emergency:	13 11 26 – Poisons Information Centre		

SECTION 2 – HAZARDS IDENTIFICATION

Classification of the substance or mixture	
<ul style="list-style-type: none"> This product is classified as HAZARDOUS according to the criteria of SWA This product is NOT a DANGEROUS GOOD according to Australian Dangerous Goods (ADG) Code 	
GHS – GLOBALLY HARMONISED SYSTEM	
GHS Classification	Skin and Eye Sensitisation – Category 1
GHS Pictogram	
GHS Signal Word	WARNING
Hazard Statement(s)	
H317:	May cause an allergic skin reaction
Prevention	
P102:	Keep out of reach of children
P260:	Do not breathe mist
P261:	Avoid breathing mist
P262:	Do not get in eyes, on skin, or on clothing
P264:	Wash contacted areas thoroughly after handling
P270:	Do not eat, drink or smoke when using this product
P271:	Use only outdoors or in a well ventilated area
P280:	Wear protective gloves, protective clothing and eye or face protection
P281:	Use personal protective equipment as required
Response	
P311:	Call a POISON CENTRE or doctor
P314:	Get medical advice or attention if you feel unwell
P330:	Rinse mouth
P352:	Wash with plenty of soap and water
P361:	Remove all contaminated clothing immediately
P363:	Wash contaminated clothing before reuse
P301+P310:	IF SWALLOWED: Immediately call a POISON CENTRE or doctor
P301+P330+P331:	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P302+P352:	IF ON SKIN: Wash with plenty of soap and water
P304+P340:	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P308+P313:	If exposed or concerned: Get medical advice
Storage	
P410:	Protect from direct sunlight
P403+P233:	Store in a well-ventilated place. Keep container tightly closed

Disposal	
P501:	If they cannot be recycled, dispose of contents to an approved waste disposal plant and containers to landfill (see Section 13 of this SDS)
EMERGENCY OVERVIEW	
Colour:	Dark Blue
Odour:	Subtle Odour
Physical Description:	Viscous Liquid
Major Health Hazards:	None known

SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS				
Ingredients:	CAS Number:	Conc (g/L)	TWA (mg/m³)	STEL (mg/m³)
Copper Chelate	14025-15-1	800-850	not set	not set
Water	7732-18-5	150-200	not set	not set
NOTE:	This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non-hazardous ingredients are also possible. The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equaled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.			

SECTION 4 – FIRST AID MEASURES	
General Information: You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.	
Inhalation: No first aid measures normally required. However, if inhalation has occurred, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.	
Skin Contact: Wash gently and thoroughly with water (use non-abrasive soap) for 5 minutes or until chemical is removed.	
Eye Contact: Flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.	
Ingestion: If swallowed, do NOT induce vomiting; rinse mouth thoroughly with water and contact a Poisons Information Centre, or call a doctor at once.	

SECTION 5 – FIRE FIGHTING MEASURES	
Fire and Explosion Hazards:	Non flammable
Extinguishing Media:	Use carbon dioxide, dry chemical, foam or water fog
Fire Fighting:	If a significant quantity of this product is involved in a fire, call the fire brigade. There is little danger of a violent reaction or explosion if significant quantities of this product are involved in a fire. Recommended personal protective equipment is liquid-tight chemical protective clothing and breathing apparatus. Do not scatter spilled material with high pressure water jets.
Flash point:	Method used 172

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Accidental Release:	<p>In the event of a major spill:</p> <ul style="list-style-type: none"> • Prevent spillage from entering drains or water courses • Evacuate the spill area and deny entry to unnecessary and unprotected personnel • Immediately call the Fire Brigade • Wear full protective chemically resistant clothing including eye/face protection, gauntlets and self-contained breathing apparatus. <small>See below under Personal Protection regarding Australian Standards relating to personal protective equipment. Suitable materials for protective clothing include rubber, PVC. Eye/face protective equipment should comprise as a minimum, protective goggles. If there is a significant chance that vapours or mists are likely to build up in the cleanup area, we recommend that you use Self-Contained breathing apparatus. Otherwise, not normally necessary.</small> • Stop leak if safe to do so, and contain spill. • After spills, wash area preventing runoff from entering drains. • If a significant quantity of material enters drains, advise emergency services. • This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. • Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry
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SECTION 7 – HANDLING AND STORAGE

Handling:	Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.
Storage:	Store in a cool, well ventilated area out of direct sunlight. Check containers periodically for leaks. Keep away from foodstuffs, drink containers and livestock. Containers should be kept closed in order to minimise contamination. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Check packaging - there may be further storage instructions on the label.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

The following Australian Standards will provide general advice regarding safety clothing and equipment:
 Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501 set 2008**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure Limits: TWA (mg/m³) STEL (mg/m³)	Exposure limits have not been established by SWA for any of the significant ingredients in this product.
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PERSONAL PROTECTION EQUIPMENT (PPE)

Ventilation:	This product should only be used in a well ventilated area
Eye Protection:	Eye protection such as protective glasses or goggles is recommended when this product is being used
Skin Protection:	You should avoid contact even with mild skin irritants. Therefore you should wear suitable impervious elbow-length gloves and facial protection when handling this product. See below for suitable material types
Protective Material Types:	We suggest that protective clothing be made from the following materials: rubber, PVC
Respirator:	We recommend that you use a suitable respiratory mask

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical Description and Colour:	Dark Blue viscous liquid
Odour:	Subtle odour
Formulation:	Inorganic / organic liquid copper compound
Boiling Point:	102°C
Freezing / Melting Point:	Not Available
Volatiles:	No Data
Vapour Pressure:	As water
Vapour Density:	3.7
Specific Gravity:	1.25 kg/L
Water Solubility:	Completely soluble
pH:	9.6
Volatility:	No data
Odour Threshold:	No data
Evaporation Rate:	No data
Coeff Oil/Water Distribution:	No data
Viscosity:	No data
Autoignition temp:	No data

SECTION 10 – STABILITY AND REACTIVITY

Reactivity:	This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties
Conditions to Avoid:	This product should be kept in a cool place, preferably below 30°C. Keep containers tightly closed. Containers should be kept dry
Incompatibilities:	Strong acids and nitrates
Fire Decomposition:	Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death
Polymerisation:	This product will not undergo polymerisation reactions

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicity:	This product is registered for use in potable water
Target Organs:	There is no data to hand indicating any particular target organs
Classification of Hazardous Ingredients	
Ingredient:	No ingredient mentioned in the ISIS Database is present in this product at hazardous concentrations
Potential Health Effects	
Inhalation: Short Term Exposure	Available data indicates that this product is not harmful. However product may be mildly irritating, although unlikely to cause anything more than mild transient discomfort.
Inhalation: Long Term Exposure	No data for health effects associated with long term inhalation
Skin Contact: Short Term Exposure	Classified as a potential sensitiser by skin contact. Exposure to a skin sensitiser, once sensitisation has occurred, may manifest itself as skin rash or inflammation, and in some individuals this reaction can be severe. In addition product may be mildly irritating, but is unlikely to cause anything more than mild discomfort which should disappear once contact ceases
Skin Contact: Long Term Exposure	No data for health effects associated with long term skin exposure
Eye Contact: Short Term Exposure	This product may be irritating to eyes, but is unlikely to cause anything more than mild transient discomfort
Eye Contact: Long Term Exposure	No data for health effects associated with long term eye exposure
Ingestion: Short Term Exposure	Available data shows that ingestion of this product can lead to gastrointestinal inflammation, abdominal pain, vomiting and diarrhea
Ingestion: Long Term Exposure	No data for health effects associated with long term ingestion
Carcinogenic Status: SWA	No significant ingredient is classified as carcinogenic by SWA
Carcinogenic Status: NTP	No significant ingredient is classified as carcinogenic by NTP
Carcinogenic Status: IARC	No significant ingredient is classified as carcinogenic by IARC

SECTION 12 – ECOLOGICAL INFORMATION

This product is biodegradable. Given the algae specific nature of this product and the standard NH&MRC recommendation with which it conforms, the possible environmental and ecological hazard is negligible. This product may be toxic to Australian native fish and crustacea. Use with extreme caution and only where algal infestation poses a serious threat to native fish.

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal: Destroy empty containers by puncturing or shredding them. Dispose of the containers at a local authority landfill that does not burn its refuse. If there is no local authority landfill readily available in your area, bury the containers at a depth of 500mm or more at a licensed/approved disposal site. Do not burn empty containers or product.

SECTION 14 – TRANSPORT INFORMATION

UN Number: This product is not classified as a Dangerous Good by ADG, IATA or IMDG/IMSBC criteria. No special transport conditions are necessary unless required by other regulations

SECTION 15 – REGULATORY INFORMATION

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations

SECTION 16 – OTHER INFORMATION

This SDS contains only safety-related information. For other data see product literature

Date of Last Revision

AT087 - v2.1 - 07/11/2018

Acronyms

ADG CODE	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th edition)
AIC S	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (Feb 2016)

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END OF SDS