

**Section 1 – Chemical Identification and Supplier**

Rural Chemical Industries (Aust.) Pty. Ltd.  
4/26 Kent Rd  
Mascot NSW 2020

Phone: 02 9667 0700  
Fax: 02 9669 0430  
info@rci.com.au

**Trade Name:** Copgane Copper 20g Capsules for Cattle

**Product Use:** Copper deficiency

**Creation Date:** July, 2021

**This version issued:** July, 2026 and is valid for 5 years from this date.

**Poisons Information Centre:** Phone 13 1126 from anywhere in Australia

**CHEMICAL IDENTIFICATION**

**Name:** Trace Mineral Supplement for Animal use containing COPPER OXIDE (wire form) in a hard gelatine capsule. Sustained release copper capsules for the prevention and treatment of copper deficiency in ruminants including sheep, goats, deer, calves, cattle.

**Section 2 – Composition / Information on Ingredients**

A mixture of Copper (II) oxide CAS 1317-38-0  
Copper (I) oxide CAS 1317-39-1

EC No: 215-269-1

Hard gelatine capsule excipient gs

Weight of copper oxide (wire form) per capsule may be 2g, 2.5g, 10g, 12g, 20g, 24g, 30g, 36g

Pack sizes may contain 25 capsules, 50 capsules, 100 capsules or 500 capsules per pack

Hard gelatine capsule containing Copper oxide (wire form) packed in a sealed HDPE container with screw cap.

**Emergency Overview****Section 3 – Hazards Identification**

H302 Harmful if Swallowed Very low toxicity (GHS Category 4)

Eye: Irritation can occur

Skin: May irritate

Inhale: Very low toxicity

Dangerous for the environment

H400 Very toxic to aquatic organisms. Hazardous to the aquatic environment (GHS Category 1)

**DO NOT EAT DRINK OR SMOKE WHEN USING THE PRODUCT**

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 equalled (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:**

**FIRST AID:** IF POISONING OCCURS CONTACT A POISONS INFORMATION CENTRE OR DOCTOR/PHYSICIAN.  
AUSTRALIA PHONE 131126

**MATERIAL SAFETY DATA SHEET**

**INGESTION:** IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. MAKE PERSON DRINK COPIOUS QUANTITIES OF WATER.

**INHALATION:** IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

**SKIN CONTACT:** IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS AMOUNTS OF WATER.

**EYE CONTACT:** IN CASE OF CONTACT, DO NOT RUB EYE, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES.

**ADVICE TO DOCTOR:** TREAT SYMPTOMATICALLY

## Section 5 - Fire Fighting Measures

**FLASH POINT:** AUTOIGNITION TEMP, N/A

**SPECIAL RISKS:** NON-COMBUSTIBLE NON-FLAMMABLE

**EXTINGUISHING MEDIA:** WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM

**SPECIAL FIREFIGHTING PROCEDURES:** WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES

**UNUSUAL FIRE AND EXPLOSIONS HAZARDS:** EMITS TOXIC FUMES UNDER FIRE CONDITIONS

MAY REACT VIOLENTLY WITH CONCENTRATED ACIDS

PREVENT FIREFIGHTING WATER FROM ENTERING SURFACE OR GROUND WATER

## Section 6 - Accidental Release Measures

**Accidental release:** ACCIDENTAL RELEASE: EMERGENCY PROCEDURES – Non-Applicable  
Clean up spills immediately. Use suitable protective equipment.

AVOID INHALATION OF DUST

WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY RUBBER GLOVES.

SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.

AVOID RISING DUST.

VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

AVOID RELEASE TO THE ENVIRONMENT.

DISPOSE OF ANY SPILL MATERIAL IN ACCORDANCE WITH LOCAL/REGIONAL/NATIONAL OR INTERNATIONAL REGULATIONS.

## Section 7 - Handling and Storage

**HANDLING** – Keep out of Reach of Children. Do NOT Eat Smoke or Drink whilst using this product. Avoid eye and skin contact.

**STORAGE:** KEEP CONTAINERS TIGHTLY CLOSED, DRY, NO SPECIFIC STORAGE TEMPERATURES.

### MATERIAL SAFETY DATA SHEET

## Section 8 - Exposure Controls and Personal Protection

WASH HANDS BEFORE AND AFTER HANDLING THE PRODUCT. AVOID SKIN AND EYE CONTACT

NATURAL VENTILATION SHOULD BE ADEQUATE UNDER NORMAL WORKING CONDITIONS.

RESPIRATORY PROTECTION REQUIRED WHEN DUSTS ARE LIKELY TO BE GENERATED.

DO NOT BREATHE DUST.

AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

AVOID PROLONGED OR REPEATED EXPOSURE.

NIOSH/MSHA-APPROVED RESPIRATOR.

COMPATIBLE CHEMICAL-RESISTANT GLOVES. In full contact Nitrile rubber gloves, 0.11mm thick, Breakthrough time > 480min. In splash contact Nitrile rubber gloves, 0.11mm thick, Breakthrough time > 480min.

WEAR EYE PROTECTION TO AVOID ACCIDENTAL EYE CONTACT.

KEEP CONTAINER TIGHTLY CLOSED. STORE IN A COOL DRY PLACE.

## Section 9 - Physical and Chemical Properties:

Physical Appearance: A Hard Gelatine capsule containing Copper oxide (wire form) packed in a sealed HDPE container with screw cap.

### APPEARANCE AND ODOUR

Form: HARD GRELATIN CAPSULE CONTAINING SOLID black/grey rods.

Odour: Odourless

### PHYSICAL PROPERTIES

Gelatine Capsule – Disintegrates in contact with water

Copper oxide (wire form) -

MELTING POINT ~1300Oc

Bulk density ~ 3000 kg/m<sup>3</sup>

Solubility in water: Insoluble

## Section 10 - Stability and Reactivity

**STABILITY** – STABLE UNDER NORMAL AMBIENT AND ANTICIPATED STORAGE CONDITIONS

**INCOMPATIBILITIES** – SUBSTANCES TO BE AVOIDED CONCENTRATED ACIDS

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

EMITS TOXIC FUMES IOF HEATED TO DECOMPOSITION

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

## Section 11 - Toxicological Information

NO HAZARDOUS PROPERTIES ARE TO BE EXPECTED WHEN THE PRODUCT IS HANDLED AND USED WITH APPROPRIATE CARE:

ROUTE OF EXPOSURE

**SKIN:** CAUSES SKIN IRRITATION.MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN.

### MATERIAL SAFETY DATA SHEET

**EYE:** CONTACT CAUSES EYE IRRITATION.

**INHALATION:** MAY BE HARMFUL IF INHALED. MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT.

**INGESTION:** MAY BE HARMFUL IF SWALLOWED.

RTECS #: GL7900000 COPPER OXIDE  
Animal Toxicological Data for Copper oxide  
LD50 Rat (oral) 470mg/kg  
LD50 Mouse IP 380mg/kg

CHRONIC: No Information Available  
Reproductive effects: No Information Available  
Mutagenicity: No Information Available  
Carcinogenic Effects: No Information Available

TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

## Section 12 - Ecological Information

Marine Pollutant. Contains Heavy Metal. Toxic to Terrestrial and aquatic plants and animals. Do not release to the environment

## Section 13 - Disposal Considerations

CLEAN UP SPILL IMMEDIATELY.

PLEASE SPILLED MATERIAL IN A SEALED PLASTIC BAG. ANY SMALL REMAINING SPILL MAY BE WASHED AWAY BUT AVOID ENTRY OF ANY WASH INTO LOCAL DRAINS OR WATERWAYS.

PLACE BAG IN SUITABLE DISPOSAL BIN FOR LOCAL WASTE DISPOSAL.

OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

AVOID RELEASE INTO THE ENVIRONMENT

## Section 14 - Transport Information

Classified as a Hazardous Substance.

NOT classified as DANGEROUS GOODS when transported by road or rail within Australia under Special Provision AU01 of the Australian Dangerous Goods Code 7<sup>th</sup> edition.

Classified as Dangerous Goods when transported by Air in internal packaging over 5kg.

IATA PROPER SHIPPING NAME:

Environmentally hazardous substance, solid, N.O.S (copper oxide)

IATA UN Number: 3077

Hazard group 9

Packing group III

EHS mark (ADR 2.2.9.1.10 IMDG CODE 2.10.3) For single packaging and combination packaging containing inner packaging with Dangerous Goods >5kg for solids.

## Section 15 - Regulatory Information

SUSDP Poisons Schedule – Not Scheduled

## Section 16 - Other Information

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. NEITHER RURAL CHEMICAL INDUSTRIES PTY LTD, NOR RUTH CONSOLIDATED INDUSTRIES PTY LTD SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT.

### MATERIAL SAFETY DATA SHEET

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.

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<http://www.rci.com.au/> Phone (02) 9667 0700 / Free Call in Australia 1800 257 193