



# Spraygro Liquid Fertilisers

ABN 47 007 974 496

## Safety Data Sheet

Globally Harmonised System (GHS)

Compilation date	8/09/2015
Revision date	3/03/2017
Version #	2

# Copperguard

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

#### 1.1 Product Identifier

Product Name:	<b>Copperguard</b>
CAS Number:	Not applicable, mixture
Product Code:	Copperguard
Formula	Not applicable, mixture
Synonyms	Not available

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

Use of the substance/mixture: **Fertiliser**

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

Company Name:	Foliar Fertilizers PTY LTD
Address:	76 Grand Trunkway, Gillman, SA, 5013, AUSTRALIA
Telephone:	+61 8 8447 7266

#### 1.4 Emergency number

Emergency Contacts:	0438 897 977 - Product Chemist
	0407 606 409 - National Sales Manager

### SECTION 2: Hazards Identification

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

This material is hazardous according to Safe Work Australia; HAZARDOUS SUBSTANCE.

#### Classification of the substance or mixture:

- Acute Toxicity, category 4
- Acute aquatic toxicity, category 2
- Chronic aquatic toxicity, category 3
- Eye Irritation, category 2
- Skin irritation, category 2

SIGNAL WORD: **WARNING**



**Hazard Statement(s):**

H302: Harmful if swallowed  
 H312: Harmful in contact with skin  
 H315: Causes skin irritation  
 H319: Causes serious eye irritation  
 H401: Toxic to aquatic life  
 H412: Harmful to aquatic life with long-lasting effects

**Poisons Schedule: S6 (SUSMP)**

**Precautionary Statement(s):**Prevention:

P264: Wash hands thoroughly after handling.  
 P270: Do not eat, drink or smoke when using this product.  
 P273: Avoid release to the environment.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P312: Call a POISON CENTER or doctor if you feel unwell.  
 P330: Rinse mouth.  
 P362: Take off contaminated clothing.  
 P363: Wash contaminated clothing before reuse.  
 P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor  
 P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.  
 P332+313: If skin irritation occurs: Get medical advice/attention.  
 P337+313: If eye irritation persists get medical advice/attention.

Storage:Disposal:

P501 Dispose of contents/container in accordance with local/regional/national/international regulations

**SECTION 3: Composition/Information on Ingredients****3.1 Components**

Components	CAS Number	Proportion	Material Hazard Codes
water		30 to 60%	
copper ammonium diacetate	43043-77-2	30 to 60%	H302,H315,H319,H400,H410
other ingredients, non-hazardous	none assigned	1 to 10%	

**SECTION 4: First Aid Measures**

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126)

**Inhalation:**

If aerosols are inhaled:

- Remove from contaminated area.
- Other measures are generally unnecessary.

**Skin Contact:**

If skin or hair contact occurs:

- Immediately flush body and clothes with water (use a safety shower if available).
- Remove all contaminated clothing, including footwear.
- Wash skin and hair with running water. Contact Poisons Information Centre.
- Transport to hospital, or doctor.

**Eye Contact:**

If this product comes in contact with the eyes:

- Immediately hold eyelids apart and flush the eye continuously with running water.
- Contact a Poisons information centre or a doctor and continue flushing until advised to stop.
- Transport to hospital or doctor.
- Removal of contact lenses if worn should be undertaken by skilled personnel.

**Ingestion:**

If ingestion occurs:

- For advice, contact a Poisons Information Centre, or a doctor at once.
- Urgent hospital treatment is likely to be needed.
- If vomiting occurs lean patient forward or place on left side to maintain open airway and prevent aspiration.
- Never give liquid to a person showing signs of being sleepy or with reduced awareness. i.e. becoming unconscious.
- Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.
- Transport to hospital or doctor without delay.
- Observe the patient carefully.

**Signs and Symptoms of Exposure:**

Chronic copper poisoning is typified by hepatic cirrhosis, brain damage and demyelisation, kidney defects and copper deposition in the cornea as exemplified by humans with Wilson's disease.

**Note to Physician:**

For copper poisoning, CaNa<sub>2</sub>EDTA has been proposed.

**SECTION 5: Fire Fighting Measures**

**Extinguishing media**

- There is no restriction on the type of extinguisher which may be used.
- Use extinguishing media suitable for surrounding area.

**Special Hazards arising from the substrate or mixture**

- Avoid contamination with reducing agents, i.e. metal hydrides, phosphine's, sulfites which may liberate flammable gases.

**Advice for firefighters**

- Alert Fire Brigade and tell them location and nature of hazard.
- Wear breathing apparatus plus protective gloves in the event of a fire.
- Prevent, by any means available, spillage from entering drains or water courses.
- Use fire fighting procedures suitable for surrounding area.

**Fire/Explosion Hazard:**

- Non-Combustible
- Decomposition products may produce the following toxic and/or corrosive fumes:
  - carbon monoxide

Firefighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

## **SECTION 6: Accidental Release Measures**

### **Minor spills**

- Clean up spill immediately
- Wear personal protective equipment when cleaning up (see section 8 ).
- Clean up spill with sand or dirt or other inert material.
- Sweep/shovel for disposal. Comply with procedures laid down by local, state and federal governments.

### **Major Spill**

- Clear area of personnel
- Contact Fire brigade or other hazard agency.

Prevent entry of spills to sewer and public water. Notify authorities if liquid enters sewers or public water.

## **SECTION 7: Handling and Storage**

This material is a Scheduled Poison S6 and must be stored, maintained and used in accordance with the relevant regulations.

### **Precautions for Safe Handling**

- Avoid skin and eye contact.
- Wash hands and other exposed area with mild soap and water before eating, drinking or smoking.

### **Conditions for safe storage**

- Store in a cool, dry, well ventilated place and out of direct sunlight.
- Do not store close to food or food cartons.
- Store away from incompatible materials described in Section 10.
- Keep containers closed when not in use.
- Check regularly for spills.
- Keep out of reach of children and pets.

## **SECTION 8: Exposure Controls/Personal Protection**

**Control Parameters:** No value assigned for this specific material or the constituents by the National Occupational Health and Safety Commissions.

### **Appropriate Engineering Controls:**

For 1000L IBC containers, ensure a contingency plan is in place in the event of malfunction of the tap.

### **Personal Protective Equipment**

#### **Eye and Face Protection**

- Wear goggles or face shield and take all steps to avoid splashing.
- It not recommended that contact lenses be used as they may concentrate irritants.

#### **Skin Protection**

- Wear chemically resistant LONG gloves.
- Wear rubber boots.
- Wear Apron or Overalls.

- Do not wear clothes or shoes that reveal bare skin.

### Respiratory protection

- Not required under normal conditions.

## SECTION 9: Physical and Chemical Properties

Physical state:	Liquid
Colour:	dark blue
Odour:	minimal
pH (average):	7.4
Freezing point:	< 0°C
Boiling point:	~ 105°C
Flash point:	none
Evaporation rate:	no data
Flammability:	not flammable
Vapour pressure:	same as water
Vapour density:	same as water
Specific Gravity:	1.15 (water = 1)
Solubility:	Completely soluble in water
Partition co-efficient	no data
Auto-ignition temperature	no data
Decomposition temperature	no data
Viscosity	1 to 100 mPa.s (water = 1)

## SECTION 10: Stability and Reactivity

### Reactivity and Associated Hazards

- May be exothermic in the presence of reducing agents.
- May release ammonia vapour upon exposure to basic (alkaline) chemicals.
- Reacts with phosphates to form non-dangerous salt precipitates.

### Stability

- Stable under normal conditions of use.
- Hazardous polymerisation will not occur.

### Conditions to avoid

See Section 7

### Incompatible materials

Incompatible with:

- Reducing agents

### Hazardous Decomposition Products

- carbon monoxide

## SECTION 11: Toxicological Information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

**Ingestion:**

- Swallowing may result in nausea, vomiting, diarrhoea and abdominal pain.
- Swallowing may result in severe acute poisoning.

**Eye Contact:**

- An eye irritant

**Skin Contact:**

- Contact with skin will result in severe irritation.

**Inhalation:**

- The components in this liquid are not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives) and the product is non-volatile.

**Chronic:**

- Chronic effects adverse to the health are not considered for the components in this liquid (as classified by EC Directives ). Exposure by all routes should be minimised as a precaution.

**Hazards for individual components\***

Components	Acute Toxicity	Irritation
copper ammonium diacetate	toxicity inferred from other compound	irritant inferred
other ingredients, non-hazardous	insufficient or no data	insufficient or no data

\* additional toxicity data, including sensitisation, genetic toxicity, carcinogenicity can be found in the European Chemical Agency (ECHA) databases.

**SECTION 12: Ecological Information**

- DO NOT CONTAMINATE WATERWAYS
- Toxic to aquatic life
- Harmful to aquatic life with long-lasting effects

**Ecotoxicity for product: No available data**

**- Ecotoxicity for individual components\***

Components	Acute Aquatic Toxicity
copper ammonium diacetate	insufficient or no data
other ingredients, non-hazardous	insufficient or no data

\* additional toxicity data, including long-term aquatic toxicity, aquatic invertebrates, algae/microorganisms can be found in the European Chemical Agency (ECHA) databases.

Persistence and degradability: No specific data on this product

Bioaccumulative Potential: No specific data on this product

Mobility in Soil: No specific data on this product

**SECTION 13: Disposal Considerations**



This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material. Since Spraygro Liquid Fertilisers Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

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End of document