

Infosafe No™ 5GF83	Issue Date : May 2020	Status : ISSUED
--------------------	-----------------------	-----------------

 Product Name **BioAg CuZin**

Classified as hazardous

## 1. Identification

<b>GHS Product Identifier</b>	BioAg CuZin
<b>Company Name</b>	BioAg Pty Ltd (ABN 58 086 880 211)
<b>Address</b>	22-26 Twynam Street Narrandera NSW 2700 Australia
<b>Telephone/Fax Number</b>	Tel: +61 2 6958 9911 Fax: +61 2 6959 9922
<b>Emergency phone number</b>	+61 428 640 070 (All Hours)
<b>E-mail Address</b>	sales@bioag.com.au
<b>Recommended use of the chemical and restrictions on use</b>	For use as a fertiliser in agriculture, horticulture, pasture, cropping and organic enterprises.

## 2. Hazard Identification

<b>GHS classification of the substance/mixture</b>	Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia. Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition) Eye Damage/Irritation: Category 1 Hazardous to the Aquatic Environment - Acute Hazard: Category 1 Hazardous to the Aquatic Environment - Long-Term Hazard: Category 1
<b>Signal Word (s)</b>	DANGER
<b>Hazard Statement (s)</b>	Causes serious eye damage. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
<b>Precautionary statement – General</b>	Keep out of reach of children. Read label before use.
<b>Pictogram (s)</b>	Corrosion, Environment



<b>Precautionary statement – Prevention</b>	Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
<b>Precautionary statement – Response</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Collect spillage.
<b>Precautionary statement – Disposal</b>	Dispose of contents/container to an approved waste facility.

## 3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	zinc sulphate heptahydrate	7446-20-0	30-<50 %
	copper sulphate pentahydrate	7758-99-8	10-<30 %

Infosafe No™ 5GF83 Issue Date : May 2020 Status : ISSUED

Product Name **BioAg CuZin**

Classified as hazardous

Other ingredients  
classified as non  
hazardous at the  
concentrations used  
according to the  
criteria of Safework  
Australia

## 4. First-aid measures

<b>First Aid Measures</b>	For advice, contact a Poisons Information Centre (Phone eg. Australia 131 126; New Zealand 0 800 764 766) or a doctor.
<b>Inhalation</b>	Remove from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Seek medical advice if symptoms persist.
<b>Ingestion</b>	IF SWALLOWED: Rinse mouth and drink plenty of water. Do NOT induce vomiting. Call a Poison Centre or doctor for advice.
<b>Skin</b>	If skin or hair contact occurs, remove any contaminated clothing and wash skin and hair thoroughly with running water for at least 15 minutes. If irritation occurs seek medical attention. Wash contaminated clothing and shoes before reuse.
<b>Eye contact</b>	Immediately hold eyelids open and irrigate continuously with water for 15 minutes. Remove contact lenses if present and easy to do. Continue flushing until advised to stop by a Poisons Information Centre or a doctor. Seek medical attention.
<b>Advice to Doctor</b>	Treat symptomatically. Show this SDS to the medical practitioner.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	If material is involved in a fire, use the following extinguishing media: dry chemical, carbon dioxide (CO <sub>2</sub> ), foam or water spray for extinction. Alcohol-resistant foam is the preferred firefighting medium but, if it is not available, normal foam can be used.
<b>Hazards from Combustion Products</b>	Decomposes on heating and may emit toxic fumes. Containers may explode when heated. Fire or heat may produce irritating, toxic and/or corrosive fumes, including oxides of sulphur.
<b>Specific Methods</b>	If safe to do so, move undamaged containers from fire area. Keep containers cool with water spray until well after fire is extinguished. Fire fighters to wear self-contained breathing apparatus (SCBA) and suitable protective clothing if risk of exposure to vapour or products of combustion.
<b>Hazchem Code</b>	•3Z

## 6. Accidental release measures

<b>Emergency Procedures</b>	Wear protective equipment to prevent skin and eye contact. Avoid breathing in vapours. Contain run-off from fire control or dilution water. Run-off may pollute waterways. If contamination of sewers or waterways has occurred advise local emergency services.
<b>Spills &amp; Disposal</b>	Collect and seal in properly labelled containers for disposal. Dispose of with an authorised waste facility in accordance with statutory requirements. Contain spills with inert absorbent material (eg. sand, earth). Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal. Wash down area (if appropriate).

## 7. Handling and storage

<b>Precautions for Safe Handling</b>	Avoid skin and eye contact and inhalation of vapours. Do not allow clothing wet with material to stay in contact with skin. When handling, do not eat, drink or smoke. Wash hands before using toilet facilities.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks or build up of pressure. Avoid reactions with oxidising agents, alkalines & hypochlorites.

## 8. Exposure controls/personal protection

Infosafe No™ 5GF83	Issue Date : May 2020	Status : ISSUED
--------------------	-----------------------	-----------------

 Product Name **BioAg CuZin**

Classified as hazardous

<b>Occupational exposure limit values</b>	No value assigned for this specific material by Safe Work Australia. However, the exposure standard for copper or zinc dusts and mists (as Cu or Zn): TWA = 1mg/m <sup>3</sup>
<b>Appropriate engineering controls</b>	Use in well-ventilated areas. A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions from the contaminant at its source, preventing dispersion of it into the general work area. If inhalation risk exists; use with local exhaust ventilation or while wearing an approved respirator. Keep containers closed when not in use.
<b>Personal Protective Equipment</b>	OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES.  The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the handling methods and environmental factors. However, the wearing of overalls, safety glasses and gloves should be considered. Use with adequate ventilation. If inhalation risk exists, wear organic vapour/ particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated and other protective equipment before storage or reuse.

## 9. Physical and chemical properties

<b>Form</b>	Liquid
<b>Appearance</b>	Blue-grey liquid
<b>Odour</b>	Nil
<b>Specific Gravity</b>	1.4 (approx)
<b>pH</b>	3.3 (approx)
<b>Viscosity</b>	As water
<b>Flash Point</b>	Not applicable

## 10. Stability and reactivity

<b>Chemical Stability</b>	Product considered stable under normal conditions of use, storage and temperature.
<b>Reactivity and Stability</b>	Hazardous reactions are not expected to occur.
<b>Conditions to Avoid</b>	Avoid overheating.
<b>Incompatible Materials</b>	Avoid oxidising agents & strong alkalis.
<b>Hazardous Decomposition Products</b>	Fire or heat may produce irritating, toxic and/or corrosive fumes, including oxides of sulphur, copper or zinc.

## 11. Toxicological Information

<b>Toxicology Information</b>	Copper sulphate LD50, Rat: 300 mg/kg Zinc sulphate LD50, Rat: 1,260 mg/kg
<b>Ingestion</b>	Harmful if swallowed. Swallowing may result in gastrointestinal irritation, nausea, vomiting and diarrhoea.
<b>Inhalation</b>	No information available.
<b>Skin</b>	Causes skin irritation.
<b>Eye</b>	A severe eye irritant. Corrosive to eyes; contact can cause corneal burns.
<b>Chronic Effects</b>	No information available.

## 12. Ecological information

<b>Ecotoxicity</b>	No data available.
<b>Environmental Fate</b>	Very toxic to aquatic life with long lasting effects. Avoid release to the

Infosafe No™ 5GF83 Issue Date : May 2020 Status : ISSUED

Product Name **BioAg CuZin**

Classified as hazardous

environment.

### 13. Disposal considerations

**Disposal Considerations** Use up product completely. If necessary, dispose of excess product according to State and local waste disposal regulations.

### 14. Transport information

**U.N. Number** 3082

**UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. - (CONTAINS COPPER SULPHATE AND ZINC SULPHATE)

**Transport hazard class(es)** 9

**Hazchem Code** •3Z

**Packing Group** III

**EPG Number** 9C1

**IERG Number** 47

**Other Information** UN3082: Not regulated as DG when transported by road or rail in packagings that do not incorporate a receptacle exceeding 500 kg(L) or IBCs

### 15. Regulatory information

**Poisons Schedule** S6

**AICS (Australia)** All ingredients are listed on the Australian Inventory of Chemical Substances (AICS).

### 16. Other Information

**Date of preparation or last revision of SDS** 07 May 2020

**Other Information** DO NOT MIX WITH OTHER CHEMICALS WITHOUT PRIOR CONSULTATION WITH THE MANUFACTURER. Always use product as directed. Never return any unused material to original drum.

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writers knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product.

...End Of MSDS...

© Copyright Chemical Safety International Pty Ltd

Copyright in the source code of the HTML, PDF, XML, XFO and any other electronic files rendered by an Infosafe system for Infosafe MSDS displayed is the intellectual property of Chemical Safety International Pty Ltd.

Copyright in the layout, presentation and appearance of each Infosafe MSDS displayed is the intellectual property of Chemical Safety International Pty Ltd. The compilation of MSDS's displayed is the intellectual property of Chemical Safety International Pty Ltd.

Copying of any MSDS displayed is permitted for personal use only and otherwise is not permitted. In particular the MSDS's displayed cannot be copied for the purpose of sale or licence or for inclusion as part of a collection of MSDS without the express written consent of Chemical Safety International Pty Ltd.