

Infosafe No™ 5GF89 Issue Date : May 2020 Status : ISSUED

Product Name **CalNitSol**

Classified as hazardous

1. Identification

GHS Product Identifier CalNitSol

Company Name BioAg Pty Ltd (ABN 58 086 880 211)

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Additional Information Calcium Nitrate Solution

2. Hazard Identification

GHS classification of the substance/mixture Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.
Not 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
Acute Toxicity - Oral: Category 4

Signal Word (s) DANGER

Hazard Statement (s) Causes serious eye damage.
Harmful if swallowed.

Precautionary statement – General Keep out of reach of children.

Pictogram (s) Exclamation mark, Corrosion



Precautionary statement – Prevention Wear protective gloves/protective clothing/eye protection/face protection.
Wash contaminated skin thoroughly after handling.
Do not eat, drink or smoke when using this product.

Precautionary statement – Response 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.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
Rinse mouth.

Precautionary statement – Disposal Dispose of contents/container to to comply with local waste disposal regulations.

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Nitric acid, ammonium calcium salt	15245-12-2	30-60 %
	Other ingredients classified as non hazardous at the concentrations used according to the criteria of Safework Australia		to 100%

4. First-aid measures

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First Aid Measures	For advice, contact a Poisons Information Centre (Phone eg. Australia 131 126; New Zealand 0 800 764 766) or a doctor.
Inhalation	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.
Ingestion	Rinse mouth and drink plenty of water. Do NOT induce vomiting. Call a Poison Centre or doctor for advice.
Skin	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.
Eye contact	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.
Advice to Doctor	Treat symptomatically. Show this SDS to the medical practitioner.

5. Fire-fighting measures

Suitable extinguishing media	If material is involved in a fire, use the following extinguishing media: flooding quantities of water.
Hazards from Combustion Products	Decomposes on heating and may emit toxic fumes. Containers may explode when heated. Fire or heat may product irritating, toxic and/or corrosive fumes, including oxides of nitrogen and ammonia.
Specific Methods	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.

6. Accidental release measures

Emergency Procedures	Wear protective equipment to prevent skin and eye contact. 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.
Spills & Disposal	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 absorbant material to separate suitable containers for recovery or disposal. Wash down area (if appropriate).

7. Handling and storage

Precautions for Safe Handling	Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. 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.
Conditions for safe storage, including any incompatibilities	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. Keep away from: organic materials, oil and grease.

8. Exposure controls/personal protection

Occupational exposure limit values	No value assigned for this specific material by Safe Work Australia.
Appropriate engineering controls	If inhalation risk exists; use with local exhaust ventilation or while wearing an approved respirator. Keep containers closed when not in use.

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Eye 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 or mists. Recommended: Chemical resistant goggles
Personal Protective Equipment	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.
Body Protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved.
Hygiene Measures	A washing facility or water for eye and skin cleaning purposes should be present. 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. Wash contaminated clothing before reusing.

9. Physical and chemical properties

Form	Liquid
Appearance	Colourless liquid
Specific Gravity	1.35 - 1.37
pH	5.5 - 6.5

10. Stability and reactivity

Chemical Stability	Product considered stable under normal conditions of use, storage and temperature.
Reactivity and Stability	Hazardous reactions are not expected to occur.
Conditions to Avoid	Avoid contamination by any source including metals, dust and organic materials.
Incompatible Materials	Avoid oxidising agents, reducing agents, strong acids & strong alkalis.
Hazardous Decomposition Products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological Information

Ingestion	Harmful if swallowed. Swallowing may result in gastrointestinal irritation, nausea, vomiting and diarrhoea.
Inhalation	No information available.
Skin	Causes skin irritation.
Eye	A severe eye irritant. Corrosive to eyes; contact can cause corneal burns.
Chronic Effects	No information available.

12. Ecological information

Ecotoxicity	No known significant effects or critical hazards.
Persistence and degradability	Readily biodegradable in plants and soils.
Mobility	This product may move with surface or groundwater flows because its water solubility is high.

13. Disposal considerations

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Disposal Considerations	The generation of waste should be avoided or minimized wherever possible. 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. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
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14. Transport information

Transport Information	Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail or NZS 5433:1999 Transport of Dangerous Goods on Land.
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15. Regulatory information

Poisons Schedule	Not Applicable
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	15 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...

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