

MATERIAL SAFETY DATA SHEET



Based on available information, not classified as hazardous, according to criteria of the National Occupational Health and Safety Commission (NOHSC).

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

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: BioAg Fruit and Balance®
Recommended Use: For use as a foliar fruiting supplement, suitable for use in agriculture/horticulture.
Supplier: BioAg Pty Ltd
ABN: 58 086 880 211
Street Address: 24 – 26 Twynam Street
NARRANDERA NSW 2700 AUSTRALIA
Telephone No: +61 2 6958 9911
Facsimile Number: +61 2 6959 9922
E-mail: sales@bioag.com.au

Emergency Only Telephone: 0437 265 153 (All Hours)

2. HAZARDS IDENTIFICATION

Based on available information, not classified as hazardous according to NOHSC:

NON – HAZARDOUS SUBSTANCE

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

Poisons Schedule: None allocated

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Product Description: Dark brown, slightly viscous liquid with a rich sweet aroma

Components Include: Fermented mixture including molasses, fishmeal, seaweed, raw sugar, lime, calcium nitrate and processed vermicast extractⁱ

Ingredients	CAS No	Proportion
Microfine Lime	1317-65-3	< 10%
Calcium Nitrate	10124-37-5	< 10%
Phosphoric Acid	7664-38-2	< 10%
Ingredients determined not to be hazardous		> 70%

4. FIRST AID MEASURES

Inhalation: Remove patient to fresh air Inhalation risks not expected to occur.
Seek medical attention if irritation occurs and persists

Ingestion: Rinse mouth with water. Do not induce vomiting. If swallowed drink water. If vomiting occurs give further water. Seek medical assistance.
Seek medical advice

Skin: Remove contaminated clothing and wash the affected area thoroughly with soap and water. Obtain medical attention if irritation occurs and persists

Eye: Flush eye with water for at least 15 minutes, holding eyelid open. In all cases of eye contamination it is a sensible precaution to seek medical advice

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5. FIRE FIGHTING MEASURES

The material is non – flammable.

Use extinguishing media appropriate to surrounding fire conditions.

Cool exposed containers with water spray to maintain container integrity.

If container integrity is breached then self contained breathing equipment and protective clothing may be necessary

6. ACCIDENTAL RELEASE MEASURES

Minimising Spill/Leaks: Any spillage should be contained promptly with sand, earth or vermiculite.

Clean-up Spills/Leaks: Recover contained product and recycle. Absorb remaining product in sand, earth or vermiculite.

Clean-up Precautions: Wash down area (if appropriate). Prevent run-off to drains or waterways. If contamination of drains or waterways occurs contact local emergency services immediately.

Disposal Methods: Dispose of on a farm or authorised waste facility in accordance with statutory requirements.

7. HANDLING AND STORAGE

Conditions for safe storage: Store in a cool, dry, well ventilated place out of direct sunlight. Release cap pressure when stored above 10°C. Store away from farm chemicals eg. Insecticides, fungicides and herbicides.

Conditions for safe handling: Avoid skin and eye contact. When handling do not eat, drink or smoke. Wash hands before using toilet facilities

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards:	No value assigned for this specific material by NOHSC.
Biological Limit Values:	None allocated.
Engineering controls:	Material has a strong smell when container first opened. Ensure ventilation is adequate or open outdoors.
Personal protective equipment:	The selection of PPE is dependant on a detailed risk assessment. The risk assessment should consider the work situation, the handling methods and environmental factors. However the wearing of overalls, boots, PVC gloves and eye protection when handling the concentrate is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Dark brown, slightly viscous liquid
Odour:	Rich sweet aroma
pH:	2.12
Vapour pressure:	Not available
Boiling point:	100°C
Freezing point:	Not available
Solubility [Water]:	100%
Specific gravity:	1.101

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10. STABILITY AND REACTIVITY

Chemical stability:	Product is stable for at least 18 months under ambient storage conditions. Avoid storing above 30°C as product may decompose.
Conditions to avoid:	Avoid exposure to heat.
Hazardous decomposition products:	None known
Hazardous reactions:	Not expected to occur

11. TOXICOLOGICAL INFORMATION

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

Ingestion:	Ingestion of very large amounts may cause diarrhoea, nausea, vomiting and cramps.
Eye contact:	Mildly irritating to eyes
Skin contact:	Not irritating to skin
Inhalation:	Not expected to occur
Long term effects:	No information available for this product
Toxicological data:	No LD ₅₀ data available for this product
Advice to Doctor:	Treat symptomatically

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Will not bioaccumulate
Persistence:	Will degrade quickly on contact with soil.

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13. DISPOSAL CONSIDERATIONS

Disposal: Use up product completely. Do not allow product or container to contaminate natural streams, drains or other waterways. Dispose of packaging according to State and local waste disposal regulations.

14. TRANSPORT INFORMATION

UN Number: None allocated
UN Proper Shipping Name: None allocated
Dangerous Goods Class: Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail
Packing Group: Not applicable
Special precautions: Not applicable
Hazchem Code: Not applicable

15. REGULATORY INFORMATION

Based on available information, not classified as hazardous according to NOHSC:
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16. OTHER INFORMATION

Reason(s) for issue: Minor product description changes

This MSDS summarises to our best knowledge at the date of issue, the chemical, health and safety hazards of the product and general guidance on how to safely handle the material in the workplace. Since BioAg 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 their use of the material.

If clarification or further information is needed, the user should contact BioAg Pty Ltd via the contact details listed on Page 1.

BioAg Pty Ltd's responsibility for the material is subject to the terms and conditions of sale, a copy of which is available on request

— END OF MSDS —

ⁱ < 0.1% (w/v). No evidence of pathogenicity, based on use history

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