

SAFETY DATA SHEET



Based on available information, not classified as hazardous, according to criteria of 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:	BioAgPhos[®]
Other Names:	BAP, Bio Super, Pre-digested Rock Phosphate
Recommended Use:	For use as an organic phosphate fertiliser in agriculture, horticulture, vines, trees and turf enterprises.
Supplier:	BioAg Pty Ltd
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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 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: A loose solid grey to black granular rock with the following particle size (typical analysis):

< 0.25 mm	52	%
0.25 mm to 0.50 mm	35	%
0.50 mm to 1.0 mm	12	%
1.0 mm to 2.0 mm	1	%

Components Include:

Component	Level	Unit
Total Phosphorus	13	%
Phosphorus – Citric Acid Soluble	4.8	%
Phosphorus – Formic Acid Soluble	8.4	%
Phosphorus – Water Soluble	< 1	%
Calcium as oxide/carbonate	36	%
Sulphur as sulphate	1.3	%
Cadmium [Maximum]	20	mg/kg
Cadmium [Maximum]	154	mg/kg P
Cadmium [Maximum Allowed Limit]	300	mg/kg P

Ingredients	<u>CAS No</u>	<u>Proportion</u>
Ingredients determined not to be hazardous		100%

4. FIRST AID MEASURES

Inhalation: Remove patient to fresh air. If not breathing apply artificial respiration. If breathing difficult, give oxygen. Seek medical assistance. Seek medical advice.

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.

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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.

5. FIRE FIGHTING MEASURES

The material is non – flammable.

Use extinguishing media appropriate to surrounding fire conditions.

When involved in a fire this product may generate irritating fumes and gases, including carbon monoxide, cyanuric acid and sulphur dioxide.

If product involved in a fire then self contained breathing equipment and protective clothing may be necessary.

6. ACCIDENTAL RELEASE MEASURES

Minimising Spill/Leaks: Any spillage should be contained promptly. Avoid generating dust.

Clean-up Spills/Leaks: Recover contained product and recycle.

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. Store away from incompatible materials including oxidising agents, alkalines, hypochlorites.

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Better soils. Better crops. Better stock.™

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards: No value assigned for this specific material by NOHSC. However the exposure standard for dust not otherwise stated is 10mg/m³ (inspirable dust) and 3mg/m³ (respirable dust).

Biological Limit Values: None allocated.

Engineering Controls: Avoid generation of dust. Ensure ventilation is adequate. Ensure an eye wash system is available.

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, eye protection and the use of a suitable dust mask (AS1715/1716) should be considered.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: A loose solid, light grey to black granule

Odour: slightly sweet

pH: 8.6 (in water)

Vapour pressure: Not applicable

Boiling point: Not applicable

Freezing point: Not available

Solubility [Water]: Insoluble

Bulk Density: 1.5 – 1.7

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10. STABILITY AND REACTIVITY

Chemical stability:	Product is stable under normal conditions of use, storage and temperature.
Conditions to avoid:	Nil known.
Hazardous decomposition products:	When involved in a fire this product may generate irritating fumes and gases, including carbon monoxide, cyanuric acid and sulphur dioxide.
Hazardous reactions:	Not expected to occur.

11. TOXICOLOGICAL INFORMATION

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

Ingestion:	No data available.
Eye contact:	Product dust may cause mechanical eye irritation.
Skin contact:	If topical irritation occurs, wash and treat symptomatically.
Inhalation:	May cause respiratory tract discomfort.
Long term effects:	This product may contain low levels of fluoride (F1) as an impurity. Fluorosis may occur in ruminants that ingest this product.
Toxicological data:	No LD ₅₀ data available for this product.
Advice to Doctor:	Treat symptomatically.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	No data available.
Persistence:	Product will break down in acidic soils.

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13. DISPOSAL CONSIDERATIONS

Disposal: Use up product completely. If necessary dispose of excess product 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 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

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NON – HAZARDOUS SUBSTANCE

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

Not classified as a Dangerous Good based on criteria issued by the International Air transport Association (IATA)

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16. OTHER INFORMATION

Reason(s) for issue: Change in Supplier – supplier information

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.

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