

1. IDENTIFICATION OF MATERIAL & SUPPLIER

Product Name/Trade Name: HydraHume

Recommended Use: Inorganic fertiliser and soil conditioning agent.

Supplier: BioAg Pty Ltd

ABN: 58 086 880 211

Street Address: 22-26 Twynam Street, Narrandera, NSW 2700 Australia

Contact Details: Tel +61 2 6958 9911 Fax +61 2 6959 9922

Email: sales@bioag.com.au

Emergency Numbers (Not for general product advice):

BioAg: 0428 640 070 (All hours)

Poisons Information Centre (Westmead, NSW) Tel 1800 251 525 or 13 11 26.

2. HAZARD 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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Product Description: Black viscous liquid with faint caustic aroma.

Components: Potassium hydroxide extract of leonardite soft coal, and water.

Ingredient	CAS Number	Proportion (%)
Humic Acid	68514-28-3	10-15
Potassium Hydroxide	1310-58-3	<10

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.

Eyes: 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.

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 spills/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 & STORAGE

Conditions for safe storage: Store in a cool, dry, well ventilated place out of direct sunlight. Store away from farm chemicals e.g. 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.

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.

Engineering Controls: 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 should be considered.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance: Black viscous liquid.

Odour: faint caustic aroma.

pH: 9.75

Vapour pressure: Not available.

Boiling point: 97°C.

Freezing point: Not available.
Solubility (water): 100%.
Specific gravity: 1.05.

10. STABILITY & REACTIVITY

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

11. TOXICOLOGY 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: Ingestion of very large amounts may cause nausea, vomiting and cramps.
Eye contact: Irritating to eyes.
Skin contact: Mildly irritating to skin.
Inhalation: Not expected to occur.
Long term effects: No information available for this product.
Toxicological data: No LD₅₀ data available for this product.
Advice to Doctor: Treat symptomatically.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Will not bio-accumulate.
Persistence: Will degrade quickly on contact with soil.

13. DISPOSAL CONSIDERATIONS

Disposal: Use up product completely. Do not allow product or container to contaminate 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 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: NON – HAZARDOUS SUBSTANCE.

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Poisons Schedule: None allocated.

16. OTHER INFORMATION

Reason(s) for issue: New product line.

This SDS 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.