

Bio Soil Solutions

(COLF Pty Ltd ABN: 59 620 557 673)

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Material Safety Data Sheet Issue Date: 17/07/2018

Product Name: Bio⁺ Humate

Not classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION

Other Names: None

2. COMPOSITION/ INGREDIENTS

Ingredients: Water, brown coal, dilute alkali
Proportion 100%

3. HAZARDS IDENTIFICATION

Safety phrases: Keep out of reach of children
Hazard category: There have been no reports in the literature of health effects in workers arising from long term exposure to this substance.

4. FIRST AID MEASURES

Inhalation: Mild irritant. Can only occur when spraying a diluted solution as not a volatile liquid. If inhaled, glow out and seek medical attention.
Ingestion: Small quantities are not harmful; rinse mouth with fresh water. Give a glass of water to drink and seek medical attention if larger quantities consumed.
Eye: Mild irritation, similar to soap. Irrigate immediately with water or neutral saline solution.
Skin: Mild irritant, slippery feel, similar to soap. Wash off with water immediately.
First Aid Facilities: Normal washroom facility.
Advice to Doctor: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Water, foam, carbon dioxide.
Specific Hazards: No unusual fire and explosion hazards.
Fire/Explosion Hazard: Non-flammable water-based product. It can only ignite if dried to a powder.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal: Dilute with water. A spill may create a slippery surface. Mop up spills and dispose in appropriate land fill or according to Federal, State and Local regulations. Non-toxic and non-corrosive.

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7. HANDLING AND STORAGE

Storage: Store in a cool area out of direct sunlight.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits: No value assigned for this specific material by the National Occupational Health and Safety Commission. However as with all chemicals exposure to concentrate should be kept to the least possible level.

Respiratory Protection: Use in ventilated area.

Eye Protection: Safety glasses. Similar irritant to soap.

Hand Protection: Incidental skin contact is not harmful. Wash skin immediately after exposure.

Body Protection: Not required.

Engineering Controls: Use in a ventilated area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Dark brown to black coloured liquid.

pH: 9.5 - 12

Solubility in Water: 100%

Specific Gravity: 1.17

Physical State: Liquid.

Flash Point: Not relevant

Flammability: Non-flammable water based liquid

Corrosiveness: Water based – slightly corrosive

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of storage and handling. Not volatile liquid, no harmful gases given off.

Incompatibility: Solutions with pH below 3

Hazardous decomposition: Stable liquid with no hazardous decomposition products.

Hazardous reaction: No hazardous products: polymerization.
Not a fire hazard.

11. TOXICOLOGICAL INFORMATION

Toxicology Information: None known or anticipated if used according to directions.

Inhalation: Ingredients considered non-hazardous when used as directed.

Ingestion: Not a likely source of exposure, however moderate quantities of concentrate may cause irritation.

Skin: Not available.

Eye: Not available.

Chronic Effects: No known adverse effects.

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12. ECOLOGICAL INFORMATION

Environ Protection:	No data available on this product.
Mobility:	No data available on this product.
Persistence:	No data available on this product.
Bioaccumulation:	No data available on this product.
Ecotoxicity:	No data available on this product.

13. DISPOSAL CONSIDERATIONS

Dispose of waste according to Federal, EPA, State and Local regulations.
Assure conformity with all applicable regulations.

14. TRANSPORT INFORMATION

Un number:	None allocated.
Proper Shipping Name:	None allocated.
DG Class:	None allocated.
Hazchem Code:	None allocated.
Packing Group:	None allocated.
EPG Number:	None allocated.
IERG Number:	None allocated.

15. REGULATORY INFORMATION

Safety Phrase:	S2 Keep out of reach of children. S25 Avoid contact with eyes.
Poisons Schedule:	Not Scheduled.

16. OTHER INFORMATION

The data and recommendations presented herein are based upon research of others believed to be accurate. However, no warranty is expressed or implied regarding this data or the results to be obtained from use thereof. Bio Soil Solutions assumes no responsibility for the injury to customers or third party proximity caused by the material if reasonable safety procedures are not adhered to as stipulated in this data sheet.