

1. PRODUCT AND COMPANY IDENTIFICATION

SDS Last updated: 15 May 2023

Product Identity: FHC – Fulvic Humic Concentrate

Recommended use of the chemical and restrictions on use: None registered

Supplier:

Plant Doctor Rx Pty Ltd T/A Agtech Natural Resources
6/19 Expo Ct, Ashmore, QLD, 4214, Australia
Ph: 1300 385 842 (Monday to Friday: 8.00am – 4.00pm)
admin@agtechglobal.com.au

Emergency Phone:

Poisons Information Centre on 13 11 26

2. HAZARDS IDENTIFICATION

GHS Classification:

Physical:

Not Hazardous

Health:

Not Hazardous

Environmental:

Not Hazardous

GHS Label Elements: None Required

Statement of Hazard: None Required

Precautionary Statements: None Required

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Amount
Non-hazardous Ingredients	Mixture	Balance
Polyphenolic Acid Solution	Proprietary	0.60%

4. FIRST AID MEASURES

Eye: Flush eyes with water while holding the eyelids apart. Get medical attention if irritation persists.

Skin: Product is low in pH may cause skin dryness or irritation. Rinse skin with water and seek medical attention if irritation persists.

Ingestion: None.

Inhalation: None.

Indication of immediate medical attention/special treatment: Immediate medical attention is not required.

5. FIRE FIGHTING MEASURES

Suitable (and Unsuitable) Extinguishing Media: Use water fog, chemical foam, carbon dioxide, or dry chemical for extinction.

Specific Hazards Arising from the Chemical: None known. Hazardous decomposition materials include oxides of carbon and unknown materials. Potassium hydroxide may react with metals to liberate flammable hydrogen gas.

Special Protective Equipment and Precautions for Fire-Fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for all fires involving chemicals. Aqueous solutions may cause surfaces to be extremely slippery and cause a slip hazard.

Explosion Data (sensitivity to mechanical impact or static discharge): None known.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Avoid contact with the eyes. Avoid prolonged skin contact. Wear appropriate protective clothing. Aqueous solutions may cause surfaces to be extremely slippery and cause a slip hazard.

Methods and Materials for Containment and Cleaning Up: Contain and collect free liquid where possible. Neutralize small spills and residues and collect using an inert absorbent material and place in appropriate containers for disposal. Prevent spill from entering sewers and water courses. Report releases as required by local, state and federal authorities.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes, skin and clothing. Use with adequate ventilation. Avoid breathing vapors. Keep containers closed when not in use. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Ensure all containers are labeled.

Do not reuse containers. Empty containers retain product residues which can be hazardous. Follow all SDS precautions when handling empty containers.

Conditions for Safe Storage, Including Any Incompatibilities: Store in a cool, well-ventilated area away from heat and incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

Non-hazardous ingredients	None Established
Polyphenolic Acid Solution	None Established

Engineering Controls: Use with adequate general or local exhaust ventilation.

Respiratory Protection: Respiratory protection is not normally needed. In operations where exposures are excessive or symptoms occur, an approved respirator with dust/mist cartridges or supplied air respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

Skin Protection: Wear impervious gloves made of Neoprene, Nitrile, Butyl or PVC to prevent prolonged skin contact.

Eye Protection: Chemical safety glasses with side shields or goggles should be worn where splashing is possible.

Other: Impervious coveralls, apron and boots as needed to avoid contact. Suitable washing facilities should be available in the work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour: brown liquid with slight or no odour	
Physical State: Liquid	Odour Threshold: Not determined
Vapor Density: Not determined	Initial Boiling Point/Range: Not determined
Solubility In Water: Dispersible.	Vapor Pressure: Not determined.
Relative Density: 1.000-1.008 g/ml (water=1) (8.34-8.41 lb/gal)	Evaporation Rate: Not determined
Melting/Freezing Point: Not determined.	pH: 3.8 – 4.6
VOC Content: Not determined.	Octanol/Water Coefficient: Not determined
Solubility: Soluble in water.	Decomposition Temperature: Not determined
Viscosity: Not determined	Flammability (solid, gas): Not applicable
Flashpoint: No data available.	Autoignition Temperature: Not applicable
Flammable Limits: LEL: Not applicable UEL: Not applicable	

10. STABILITY AND REACTIVITY

Reactivity: Not normally reactive.
Chemical Stability: Stable under normal storage and handling conditions.
Possibility of Hazardous Reactions: Hazardous polymerization will not occur.
Conditions to Avoid: Avoid extreme heat or freezing temperatures.
Incompatible Materials: Strong oxidizing agents.
Hazardous decomposition products: Oxides of carbon and unknown materials

11. TOXICOLOGICAL INFORMATION

Eye: May cause slight irritation with redness and tearing.
Skin: May cause slight irritation following prolonged contact with human skin.
Ingestion: Ingestion may cause gastrointestinal disruption.
Inhalation: **Inhalation of mists** may cause mild irritation of upper respiratory tract.
Chronic: None known.
Sensitization: This material is not known to cause sensitization.
Carcinogenicity: None of the components present are listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, or OSHA.
Germ Cell Mutagenicity: None known.
Reproductive Toxicity: None known.
Numerical Measures of Toxicity: No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available
Persistence and Degradability: Not data available.
Bioaccumulative Potential: Not data available.
Mobility in Soil: No data available
Other Adverse Effects: None known.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with local and national environmental regulations.

14. TRANSPORT INFORMATION

DOT Hazardous Materials Description: Not regulated.

IMDG Shipping Description: Not regulated.

IATA Shipping Description: Not regulated.

15. REGULATORY INFORMATION

CERCLA 103 Reportable Quantity: This product is not subject to Australian EPA or DCCEEW reporting requirements. Many countries have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

Hazard Category for Section 311/312: Refer to Section 2 for OSHA Hazard Classification.

Section 313 Toxic Chemicals: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

Section 302 Extremely Hazardous Substances (TPQ): None

INTERNATIONAL CHEMICAL INVENTORY STATUS: Check with federal, state and local requirements for your zone.

United States TSCA: All the components are listed. Australian EPA has no requirement for this product as it is recognized as generally safe.

16. OTHER INFORMATION

NFPA Rating: Health = 1

Flammability = 0

Instability = 0

HMIS Rating: Health = 1

Flammability = 0

Physical Hazard = 0

Revision Summary:

08/10/2020: V.1

15/05/23: Document reviewed for updates.

NOTICE

This above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide. Agtech Global shall not be held liable for any damage resulting from handling or from contact with the above product. This information relates only to the product designated herein and does not relate to its use in combination with any other material or process.