

SAFETY DATA SHEET

Last updated: 30 May 2023

Section 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Activ8mate
Other Names:	Plant Doctor Activ8mate
Product Type:	Liquid plant fertiliser and soil conditioner
Chemical family:	Proprietary blend containing CH ₆ N ₄ O ₄
Recommended Use:	Horticultural as soil nutrient
Restrictions on use:	None known
HS Code:	None available for blended product - contains 31028000

Manufacturer:	Plant Doctor Rx Pty Ltd T/A Agtech Natural Resources 8/19 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	13 11 26
	EPA for large scale spills	1300 372 842

Section 2. HAZARDS IDENTIFICATION

GHS Classification: Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition).

GHS Label Elements:

Irritant!

Contains: Traces of Humic Acid, Potassium Hydroxide and Urea Ammonia Nitrate



Statement of Hazard	Precautionary Statements
H315 Causes skin irritation. H319 Causes serious eye irritation.	P264 Wash thoroughly after handling. P280 Wear protective gloves, eye protection, and faceprotection. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical attention. P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P332 + P313 If skin irritation occurs: Get medical attention. P362 Take off contaminated clothing and wash before reuse.

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Amount
Ingredients determined not to be hazardous, including water	Proprietary	±99.9%

Section 4. FIRST AID MEASURES

Eye: Immediately flush eyes while holding the eyelids apart with continuous running water for several minutes. Remove contact lenses. Seek medical attention if irritation persists.

Skin: Remove contaminated clothing. Wash skin thoroughly with soap and water. Seek medical attention if irritation occurs. Launder clothing before re-use.

Ingestion: Do not induce vomiting unless directed to do so by a medical professional. Rinse mouth with water. Seek medical attention if symptoms develop.

Inhalation: Remove affected person to fresh air. If symptoms develop and/or persist, seek medical attention.

Most important Symptoms: May cause moderate eye and skin irritation. Inhalation of mists may cause mucous membrane and respiratory irritation. Treat symptomatically.

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

Section 5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Non-flammable. Use appropriate extinguisher for surrounding environment.

Specific Hazards arising from the chemical: Non-combustible material, however, following evaporation of aqueous component under fire conditions, the non-aqueous component may decompose and/or burn.

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.

Section 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 as according to local & national authorities. Prevent spill from entering sewers and water courses. Report releases as required by local, state and federal authorities. This product is water based and will cause short-circuits if spilt on electrical equipment.

Section 7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes, skin and clothing. Use with adequate ventilation. Avoid breathing vapors and mists. Keep containers closed when not in use and wash hands after 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 direct sunlight and incompatible materials. Incompatible with Iron based products. Protect from freezing.

Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure: General use: Not required. Industrial use: No exposure standards have been established for this material.

Biological Monitoring: No biological limits allocated.

Control Banding: Not available.

Engineering Controls: Protect from splashes. Use good ventilation. If mists or vapours are produced, local exhaust systems should be used.

Respiratory Protection: Respiratory protection is not normally needed for general use. 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: Where large quantities are handled then impervious coveralls, apron and boots as needed to avoid contact. Suitable washing facilities should be available in the work area.

No further relevant information available.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour: dark brown liquid with a strong urea & fish 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: 1.004-1.07 (water=1)	Evaporation Rate: Not determined
Melting/Freezing Point: Not available.	pH: 8-9
VOC Content: Not determined.	Octanol/Water Coefficient: Not determined
Solubility: Completely soluble in water.	Decomposition Temperature: Not determined
Viscosity: Not determined	Flammability (solid, gas): Not applicable
Flashpoint: Not available.	Auto-Ignition Temperature: Not applicable
Flammable Limits: Lower/upper: Not applicable	Specific gravity: 1.1 – 1.2 at 25°c
NPK: 8-1-4	

Section 10. STABILITY AND REACTIVITY

Reactivity: Will coagulate with Iron (Fe)

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: Not available.

Conditions to Avoid: Avoid extreme heat or freezing temperatures, ideally between 5°c and 40°c and store out of direct sunlight. Store away from metals and in original container.

Incompatible Materials: Metals and strong oxidizing agents.

Hazardous Decomposition Products: Oxides of carbon and nitrogen.

Hazardous Polymerization: Not available

Section 11. TOXICOLOGICAL INFORMATION

Toxicology Information: No toxicity data available for this material

Eye: May cause moderate to severe irritation with pain and tearing.

Skin: May cause irritation. Prolonged exposure may cause irritation, dermatitis, or defatting of skin tissues.

Ingestion: Ingestion may cause gastrointestinal irritation, abdominal pain, nausea, vomiting and diarrhea.

Inhalation: May cause irritation of upper respiratory tract.

Chronic: Not considered to be toxic to a specific target organ.

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: Not considered to be a mutagenic hazard.

Reproductive Toxicity: Not considered to be toxic to reproduction.

Numerical Measures of Toxicity: No data available.

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity: No ecological data available for this material.

Persistence and Degradability: Not data available.

Bioaccumulative Potential: Not data available.

Mobility in Soil: Known to extract heavy metals. Soluble in water.

Environmental Protection: Prevent this material entering waterways, drains & sewers in it's concentrated format. Contain and clean up any spills as per section 6 of this SDS.

Hazard to the Ozone: This product is not expected to deplete the ozone layer.

Other Adverse Effects: None known.

Section 13. DISPOSAL CONSIDERATIONS

Disposal of spilled or waste materials must be done in accordance with local and national environmental regulations.

Section 14. TRANSPORT INFORMATION

Not classified as a Dangerous Good according to the Australia Code for Transport of Dangerous Goods by Road, Rail, Sea or Air.

DOT Hazardous Materials Description: Not regulated

IMDG Shipping Description: Not regulated

IATA Shipping Description: Not regulated

UN Number: None Allocated.

Shipping name: None allocated.

Hazard Class: None allocated.

Section 15. REGULATORY INFORMATION

Regulatory Information: Not classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemical (GHS) including Work, Health and Safety regulations, Australia.

Poisons Schedule: Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Section 16. OTHER INFORMATION

Revision Summary:

29/05/2023: V3

07/07/2021: V2

09/10/2019: V1

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 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