

MATERIAL SAFETY DATA SHEET

1. Identification of the substance/preparation and company/undertaking

Substance name: AGIBBELINE

Use of substance: Horticultural plant growth regulator for professional use

Supplier: Fine Agrochemicals Ltd, Hill End House, Whittington ,
Worcester, WR5 2RQ, Tel: +44 01905 361800, Fax: +44 (0)
1905 361810

Email of competent person preparing MSDS: mariam@fine.eu

Emergency telephone number: Fine Agrochemicals Ltd, Tel: +44 01905 361800
(Office hours 9 am – 5 pm GMT)

2. Hazards identification

None

3. Composition/Information On Ingredients:

Substance: 1 gram of gibberellic acid per tablet in an effervescent base.
Cas No: 77-06-5 (Active Ingredient)
Einecs No: 201-001-0 (Active Ingredient)

Hazardous Ingredients:	Classification under 67/548/EEC:	Classification under EC 1272/2008:	Concentration:
Co-formulant	Xi, R36	Eye Irrit. 2- H319	<3.5g/7.5g tablet



4. First aid measures

After Ingestion:	Do not induce vomiting or give liquids. Seek medical advice.
After inhalation:	Not applicable.
After eye contact:	Irrigate eyes with running water for at least 15 minutes. Obtain medical attention if irritation occurs.
After skin contact:	Remove contaminated clothing. Wash the affected area thoroughly with soap and water. Obtain medical attention if irritation occurs.

5. Fire fighting measures

Flammability:	Non-flammable
Extinguishing Media:	Use water mist, CO ₂ , foam or dry powder
Special exposure hazards:	None
Products of combustion and decomposition:	Carbon oxides

6. Accidental release measures

Personal Precautions
Wear protective clothing, see Section 8. Exposure control/personal protection

Environmental precautions
Prevent contaminated water entering drains.

Methods for cleaning up
In case of spillage sweep up material. Dispose of contaminated material in accordance with local regulations.



7. Handling and storage

Handling:	Keep away from drink and foodstuffs. Do not smoke in the workplace. Avoid contact with spray. Wash thoroughly after handling.
Storage:	Store in cool dry conditions in original well marked containers.

8. Exposure controls/personal protection

Exposure controls

To avoid risks to man and the environment comply with instructions for use. Also see Section 15. Regulatory Information.

Occupational exposure controls

Respiratory protection:	No respiratory protection should be needed.
Hand protection:	Acid resistant gloves with a minimum 0.5mm thickness should be worn with sleeves worn over the top of the gloves.
Eye protection:	Glasses/goggles should be worn or face mask used.
Skin protection:	Wear sensible regularly laundered overalls. Showering and changing into street clothes after work is recommended.

9. Physical and chemical properties:

General information

Appearance: White/off white tablet

Odour: Very slight - acidic

Important health, safety and environmental information

pH (1% solution): 6 - 7

Boiling point: Not applicable

Flash point: No data



9. Physical and chemical properties (conti):

Flammability:	Non-flammable
Explosive properties:	No data
Oxidising properties:	No data
Vapour pressure:	Not applicable
Relative density:	1.659 g/ml
Solubility	
- water solubility @ 20°C:	Soluble at all concentrations
- fat solubility:	No data
Partition coefficient:	No data
Viscosity:	Not applicable
Vapour Density:	<0.01kPa at 20°C (active ingredient)
Evaporation rate:	Not applicable
Other information	
Auto ignition:	No data
Decomposition temp:	60°C

10. Stability and reactivity

Stable in original unopened containers for at least 2 years at ambient temperatures in a cool dry place. Tablets will effervesce on contact with water or prolonged contact with humid air to release carbon dioxide.

Conditions to avoid

- Excessive heat. Damp or wet environments.

Materials to avoid

- Incompatible with strong oxidising agents.

Hazardous decomposition products

- None under normal conditions of storage and use.

11. Toxicological informationAcute toxicity

Oral:	LD ₅₀ rat > 5 g/kg (active ingredient)
Inhalation:	LC ₅₀ rat >4.94 mg/l (active ingredient)
Skin and eye:	LD ₅₀ rat > 2 g/kg (active ingredient)



11. Toxicological information (conti):

Irritation

Eye:	Mild irritant
Skin:	Non-irritant
Respiratory tract:	No data
Corrosivity:	Not corrosive
Sensitisation Skin:	Non-sensitising (active ingredient)
Carcinogenicity:	Non-carcinogenic (active ingredient)
Mutagenicity:	Non-mutagenic (active ingredient)
Reproductive tox:	No data
Chronic tox:	No known long term effects (active ingredient)
Toxicity Class:	WHO (a.i.) U, EPA III.

12. Ecological information

Ecotoxicity	
Fish:	LC ₅₀ (96h) >112 mg/l (active ingredient)
Daphnia:	EC ₅₀ (48h) > 122 mg/l (active ingredient)
Algae:	LC ₅₀ (72h) 100 mg/l ; NOEC ≥ 100 mg/l (active ingredient)
Bird:	LD ₅₀ . >2250 mg/kg (active ingredient).
Bee:	LC ₅₀ (contact 48h) >25 µg/bee (active ingredient)
Persistence and degradability:	Active ingredient is non-toxic and undergoes rapid microbial degradation in soil.

13. Disposal considerations

Product

May be taken to waste disposal site or incineration plant when in compliance with local regulations refer to the local waste regulation authority (Environment Agency).

Packaging

Empty containers can be landfilled when in accordance with local regulation.



14. Transport information

UN number: Not classified
Class: Not classified
Proper shipping name: Not classified
Packaging group: Not classified

Marine Pollutant: Not classified

Other applicable information None

15. Regulatory Information

Health, Safety and Environmental Information shown on the Product Label as required by regulation 9 of CHIP3:

Symbol(s): None

Risk Phrases: None

Safety Phrases:

S2	Keep out of reach of children
S24/25	Avoid contact with skin & eyes
S35	This material and its container must be disposed of in a safe way
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection

Specific provisions: Restricted to professional users

To avoid risks to man and the environment, comply with the directions for use.

A chemical safety report is not required since the product is already registered under the crop protection regulation 91/414/EC.



16. Other information:

For further information on the product and product use refer to the product label.

This version replaces version 3.2 dated September 2008.

Reason for revision: This safety data sheet has been re-formatted and expanded to meet the revised requirements of the REACH directive and EC 453/2010 regulation.

