

CLAYTON

PLANT PROTECTION

CLAYTON FLORIN

SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE

Clayton Florin MAPP 14351

For use only as an agricultural plant growth regulator.

Marketing company

Clayton Plant Protection (UK) Ltd.,

Unit F10, Bracetown Business Park, Clonee, Co. Meath, Ireland.

Tel: (00 353) 1 8210127 Fax: (00 353) 81 8411084

2. COMPOSITION/INFORMATION ON INGREDIENTS

Mepiquat chloride	28 % w/w	CA 24307-26-4	Xn	R 22, 52/53
2-chloroethylphosphonic acid	14.2 % w/w	CA 16672-87-0	Xn, C	R 20/21, 34, 52/53

3. HAZARDS IDENTIFICATION

Human: Ingestion – harmful

Eyes – irritating

Inhalation - irritating

Environmental Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID

Skin: remove contaminated clothing; rinse exposed skin and hair immediately with water, then with soap and water. If the patient feels unwell, seek medical advice.

Eyes: flush immediately with plenty of water for 15 minutes. Seek medical attention.

Inhalation: remove patient to fresh air. Seek medical attention if symptoms arise.

Ingestion: do not induce vomiting, rinse mouth with water; keep patient at rest in recovery position; seek medical attention immediately and show the container label or this datasheet.

National Poisons Information Service -Tel: 0870 600 6266

5. FIRE FIGHTING

Wear full protective clothing, goggles and respirator. Call fire brigade for all but small, immediately controllable fires. Do not breathe smoke. Toxic fumes may be released. Keep containers cool by spraying with water. Extinguish source of fire, preferably with dry inert powder, foam, carbon dioxide or water fog. Do not use a water jet. Contain fire-fighting water, bunding as necessary.

6. ACCIDENTAL RELEASE

Wear coverall, face protection, rubber boots and suitable protective gloves as appropriate to the situation. Prevent contamination of water. Inform local water plc immediately if product enters drains. Inform Environment Agency/Scottish Environment Protection Agency if product enters surface or ground waters. Absorb in sand or other inert material. Sweep/collect up all contaminated material and place in covered, labelled containers for disposal. Do not flush with water.

7. HANDLING AND STORAGE

Keep in original container, tightly closed, in a safe place. Keep away from food, drink and animal feeding stuffs. Keep out of reach of children. Store in a cool, dry place out of direct sunlight. Protect from frost.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Wear suitable protective gloves and face protection (faceshield) when handling the concentrate.

When using do not eat, drink or smoke.

Wash hands and exposed skin before eating and drinking and after work.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	clear to hazy liquid
Odour:	faint, amine-like
Flash point:	none
Oxidising properties:	none
pH:	1.5 – 3.0 (product)
Density:	1.09 g/ml at 20°C
Water solubility:	miscible in all proportions

10. STABILITY AND REACTIVITY

Stable in packaging and in air at ordinary temperatures. Keep in original packaging.
Non-reactive with water. Corrosive to aluminium.

11. TOXICOLOGY

Acute oral LD ₅₀ for rat:	2856 mg/kg
Acute dermal LD ₅₀ for rabbit:	>5000 mg/kg
Acute inhalation LC ₅₀ (4 hour) rat:	Not a hazard when handled as directed.
Skin irritation:	Irritant
Eye irritation:	Irritant
Skin sensitisation:	Negative

12. ECOLOGICAL INFORMATION

	Ethephon	Mepiquat chloride
LC ₅₀ (96 hour) for fish	720 mg/l	4300 mg/l
Daphnia LC ₅₀ (48-hour):	1000 mg/l	68.5 mg/l
Algae EC ₅₀ (72-hour):	32 mg/l	>100 mg/l

13. DISPOSAL

Product: dispose of via an authorised disposal contractor.

Containers: dispose of via an authorised disposal contractor. Consult also 'Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings' (DEFRA/HSE).

14. ROAD AND RAIL TRANSPORT

CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (contains ethephon).
UN 3265; Class 8; Packing group III

15. REGULATORY INFORMATION



Xn HARMFUL

contains 305 g/l mepiquat chloride and 155 g/l 2-chloroethylphosphonic acid
R22 Harmful if swallowed
R36/37 Irritating to eyes and respiratory system

R 52/53 Harmful to aquatic organisms; may cause long-term adverse effects in the aquatic environment

S2 Keep out of the reach of children.

S13 Keep away from food, drink and animal feedingstuffs.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S35 This material and its container must be disposed of in a safe way.

S46 If swallowed, seek medical advice immediately and show this container or label.

The Control of Substances Hazardous to Health (COSHH) Regulations may apply to the use of the product at work.

The product is approved under the Control of Pesticides Regulations 1986.

16. OTHER INFORMATION

Issued: January 2009