

CLAYTON

PLANT PROTECTION

CLAYTON ALIUM

SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE

Clayton Alium MAPP 12957
For use only as an agricultural/horticultural fungicide.

Marketing company

Clayton Plant Protection (UK) Ltd.,
Unit F10, Bracetown Business Park, Clonee, Co. Meath, Ireland.
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Chlorothalonil	500 g/l	CA 1897-45-6	T+, N	R26, 37, 40, 41, 43, 50/53
Propane-1,2-diol	>100 g/l	CA 57-55-6	-	-

3. HAZARDS IDENTIFICATION

Human	Limited evidence of a carcinogenic effect
	Skin: irritant; may cause sensitisation
	Eyes: irritant; risk of serious damage
	Inhalation: harmful; irritating to respiratory system
Environmental	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

4. FIRST AID

Remove all contaminated clothing.
Eyes: flush immediately with plenty of water for 15 minutes. Seek immediate medical attention.
Skin: wash exposed skin and hair with water, then with soap and water. If the patient feels unwell, seek medical advice.
Inhalation: remove patient to fresh air; keep patient warm; seek medical attention.
If swallowed: wash mouth with water; seek immediate medical attention and show the container label or this datasheet. Treat symptomatically.

5. FIRE FIGHTING

Wear full protective clothing, goggles and respirator. Call fire brigade for all but small, immediately controllable fires. Product is not ordinarily flammable but packaging will burn. 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. Contain spillage, particularly to prevent contamination of water. Inform local water plc immediately if spillage enters drains. Inform Environment Agency/Scottish Environment Protection Agency if spillage enters surface or ground waters. Absorb spillage in sand or earth. Collect all contaminated material and place in covered, labelled containers for disposal. Do not flush with water.

7. HANDLING AND STORAGE

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Wear suitable protective clothing (coveralls), suitable protective gloves and face protection (faceshield) when handling the concentrate.
Follow all label precautions when using the product.
Avoid all contact by mouth, with skin or eyes.
Wash splashes from skin or eyes immediately.
Do not breathe spray.
Wash all protective clothing thoroughly after use, especially the insides of gloves.
When using do not eat, drink or smoke.
Wash hands and exposed skin before eating, drinking or smoking and after work.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: opaque grey-white liquid

Flammability: non-flammable

Oxidising properties: none

Relative density: 1.23

pH of (5 % suspension in water): 9.1

Water solubility: miscible in all proportions

10. STABILITY AND REACTIVITY

Stable in packaging and in air at ordinary temperatures.

11. TOXICOLOGY

Acute oral LD₅₀ for rat: >2000 mg/kg

Acute dermal LD₅₀ for rabbit: >2000 mg/kg

Acute inhalation LC₅₀ (4 hour) for rat: 0.217mg a.i./litre air

Skin and eye irritant.

Skin sensitisation: positive

12. ECOLOGICAL INFORMATION

Dietary LC₅₀ (8-day) for mallard ducks and bobwhite quail >10000 mg a.i./kg diet.

Fish LC₅₀ (96-hour) for rainbow trout: 49 ppb

Daphnia LC₅₀ (48-hour): 70 ppb

Algae EC₅₀ (72-hour): 0.13 mg a.i./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

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (contains chlorothalonil)

UN 3082; Class 9; Packing Group III (Marine pollutant)

Packaging: 5 litres in high-density polyethylene containers.

15. REGULATORY INFORMATION



HARMFUL

contains 500 g/l chlorothalonil

R20 Harmful by inhalation

R36/37/38 Irritating to eyes, respiratory system and skin

R40 Limited evidence of a carcinogenic effect.

R41 Risk of serious damage to eyes

R43 May cause sensitisation by skin contact.



N DANGEROUS FOR
THE ENVIRONMENT

R50/R53 Very toxic 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.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection

S24/25 Avoid contact with skin and eyes

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.

S45 In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).

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

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

16. OTHER INFORMATION

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