

CLAYTON

PLANT PROTECTION

CLAYTON TUNIK

SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE

Clayton Tunik MAPP 10545
For use only as an agricultural fungicide.

Marketing company

Clayton Plant Protection (UK) Ltd.,
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Metconazole	6.7 % w/w	CA 125116-23-6	Xn, N	R 22, 51/53
Pentanol	24-28 % w/w	CA 30899-19-5	Xn, Xi	R 10, 20, 37, 66
Naphtha (petroleum)	21-24 % w/w	CA 64741-65-7	Xn	R 10, 53, 65, 66
Alkyl polyoxyethylene glycol ether	42-48 % w/w	CA 68439-45-2	Xn	R 22, 36

3. HAZARDS IDENTIFICATION

Human	Ingestion:	low acute toxicity may cause lung damage if swallowed
	Skin:	irritant; may cause sensitisation by skin contact
	Eyes:	irritant; risk of serious damage
	Inhalation:	irritant
Environmental		very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Physical		flammable

4. FIRST AID

Remove all contaminated clothing.
Eyes: flush immediately with plenty of water for 15 minutes. Seek medical attention.
Skin: wash exposed skin and hair immediately with water, then with soap and water. If the patient feels unwell, seek medical advice.
Inhalation: remove patient to fresh air and seek medical attention immediately.
If swallowed: do not induce vomiting; wash mouth with water; seek medical attention immediately and show the container label or this datasheet.

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 overall, face protection, rubber boots and suitable protective gloves as appropriate to the situation. 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. 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.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
When using do not eat, drink or smoke.
Wash all protective clothing thoroughly after use, especially the insides of gloves.
Wash hands and exposed skin before eating, drinking or smoking and after work.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: clear liquid
Flash point: 43°C
Lower explosive limit: 1.1 % by volume
Relative density: 0.98
Oxidising properties: none
pH: 6.5 (in aqueous solution)
Water solubility: product is miscible in water in all proportions

10. STABILITY AND REACTIVITY

Stable in packaging and in air at ordinary temperatures.

11. TOXICOLOGY

Acute oral LD₅₀ for rat: >3000 mg/kg
Acute dermal LD₅₀ for rat: >4000 mg/kg
Acute inhalation LC₅₀ (4 hour) for rat: 5.3 mg/litre air
Irritancy: irritating to eyes
Potential skin sensitiser.

12. ECOLOGICAL INFORMATION

Acute oral LD₅₀ for bobwhite quail: 790 mg a.i./kg
LC₅₀ (48-hour) rainbow trout = 15 mg per litre.
Daphnia: LC₅₀ (48-hour) = 3.6 mg a.i. per litre
Algae: EC₅₀ (72-hour) = 1.7 mg a.i. per litre
Bees: oral LD₅₀ (24-hour) = 97µg per bee

13. DISPOSAL

Product: dispose of via an authorised disposal contractor.
Containers: crush and bury or 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

FLAMMABLE LIQUID, N.O.S. (contains amyl alcohol and naphtha, petroleum).
UN 1993; Class 3; Packing group III
Packaging: 1-20 litres in high-density polyethylene containers.

15. REGULATORY INFORMATION



Xn HARMFUL

contains 60 g/l metconazole with naphtha (petroleum), heavy alkylate
R37/38 Irritating to respiratory system and skin
R41 Risk of serious damage to eyes
R43 May cause sensitisation by skin contact
R65 Harmful: may cause lung damage if swallowed
R10 Flammable



**N DANGEROUS
FOR THE
ENVIRONMENT**

R50/R53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection
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.
S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
S35 This material and its container must be disposed of in a safe way.

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

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