

CLAYTON

PLANT PROTECTION

CLAYTON KRYPTON

SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE

Clayton Krypton MAFF 09398
For use only as an agricultural fungicide.

Marketing company

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

Cymoxanil	4.5 % w/w	CA 57966-95-7	Xn, N	R 22, 43, 50/53
Mancozeb	68 % w/w	CA 8018-01-7	Xi	R 37, 43
Hexamethylenetetramine	2 % w/w	CA 100-97-0	F, Xn	R 11, 42/43

3. HAZARDS IDENTIFICATION

Human	Skin:	irritant; may cause sensitisation
	Eyes:	irritant
	Inhalation:	irritant; may cause sensitisation
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 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; seek medical attention.
If swallowed: wash mouth with water; seek 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 and 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 overall, 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. Mix spillage with 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. Keep away from fire or sparks.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Wear suitable protective gloves and face protection (faceshield) when handling the concentrate.
Wash concentrate from skin or eyes immediately. Do not breathe dust or spray.
When using do not eat, drink or smoke. Wash hands and exposed skin before meals and after work.
Occupational exposure standards:
Mancozeb (for manganese compounds as Mn):
long-term exposure limit (8 hour TWA ref. period) = 5 mg m⁻³
short-term exposure limit (10-minute ref. period) = not determined

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: grey-yellow powder
Flammability: not classified as flammable
Flash point: circa 140°C for mancozeb
Oxidising properties: none
Lower explosive limit: 0.27 % v/v air
Water solubility: slightly soluble; readily disperses in water

10. STABILITY AND REACTIVITY

Stable in packaging and in air at ordinary temperatures over the short-term. Slowly decomposed by heat and moisture. Product allowed to become wet or exposed to moist air may create a flammable vapour hazard of carbon disulphide. Do not carry over opened packs from one season to the next.

11. TOXICOLOGY

Acute oral LD ₅₀ for rat:	>2000 mg/kg
Acute dermal LD ₅₀ for rat:	>2000 mg/kg
Acute inhalation LC ₅₀ (4 hour) for rat	>5.4 mg/litre

12. ECOLOGICAL INFORMATION

LC ₅₀ (96 hour) for rainbow trout	0.46 mg/l
Daphnia LC ₅₀ (48-hour)	0.71 mg/l
Algae EC ₅₀ (72-hour)	0.30 mg/l

13. DISPOSAL

Product: dispose of via an authorised disposal contractor.

Containers: 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

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains cymoxanil and mancozeb). UN 3077 Class 9 Packaging group III
Packaging: 2-10 kg in low-density polythene or low-density polythene/paper bag.

15. REGULATORY INFORMATION



Xn HARMFUL

contains 4.5 % w/w cymoxanil and 68 % w/w mancozeb and hexamethylenetetramine

R36/37 Irritating to eyes and respiratory system
R42/43 May cause sensitisation by inhalation and skin contact



N DANGEROUS FOR THE ENVIRONMENT

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S2 Keep out of the reach of children.

S22 Do not breathe dust.

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

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

S63 In case of accident by inhalation: remove casualty to fresh air and keep at rest.

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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