

# CLAYTON

PLANT PROTECTION

CLAYTON LANARK

SAFETY DATA SHEET

## 1. IDENTIFICATION OF SUBSTANCE

Clayton Lanark MAPP 12942  
For use only as an agricultural/horticultural insecticide.

### Marketing company

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

Lambda-cyhalothrin	100 g/l	CA 91465-08-6	T+, N	R 21, 25, 26, 50/53
Propylene glycol	200-350 g/l	CA 57-55-6	-	-
Solvent naphtha (petroleum) heavy aromatic	50-100 g/l	CA 64742-94-5	Xn, N	R 65, 66, 51/53
1,2-benzisothiazolin-3-one	0.5-1 g/l	CA 2634-33-5	Xn, N	R 22, 38, 41, 43, 50

## 3. HAZARDS IDENTIFICATION

Human  
Ingestion: harmful if swallowed  
Skin: may cause sensitisation  
Eyes: mild irritant  
Inhalation: harmful

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

## 4. FIRST AID

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

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

**Inhalation:** remove to fresh air; prevent all exertion; seek immediate medical attention if inhalation is suspected.

**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. Toxic fumes may be released. Do not breathe smoke. 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. Keep unprotected persons and animals away. 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 spillage with sand or other inert material. Collect up 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) and suitable protective gloves when handling the concentrate and when applying by hand-held equipment.

Wash concentrate from skin or eyes immediately. When using do not eat, drink or smoke.

Wash hands and exposed skin before eating, drinking or smoking and after work.

Propylene glycol (vapour and particulates): Long-term exposure limit (8-hour TWA ref. period) = 150 ppm or 474 mg m<sup>-3</sup>

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: liquid suspension  
Colour: beige  
Odour: slightly aromatic  
Flash point: >93°C  
Density: 1.06 g/ml at 20°C  
pH of product: 5  
Water solubility: miscible with water in all proportions

## 10. STABILITY AND REACTIVITY

Stable in packaging and in air at ordinary temperatures. Keep in original packaging. Toxic and irritant vapours may be evolved on heating.

## 11. TOXICOLOGY

Acute oral LD<sub>50</sub> for rat: 334 mg/kg  
Acute dermal LD<sub>50</sub> for rat: >2000 mg/kg  
Inhalation LC<sub>50</sub> (4-hour) for rat: >2.5 mg per litre air  
Eye irritancy (rabbit): Mild irritant  
Skin irritancy (rabbit): Non-irritant, but may cause itching and tingling.  
Skin sensitisation: Positive

## 12. ECOLOGICAL INFORMATION

LC<sub>50</sub> (96 hour) for carp: 12 µg/l  
Daphnia LC<sub>50</sub> (48-hour) 2.6 µg per litre

## 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 lambda-cyhalothrin and substituted benzenoid hydrocarbons). UN 3082; Class 9; Packing group III (Marine pollutant)  
Packaging: 1 litre in polyethylene terephthalate or 5 litres in high-density polyethylene containers.

## 15. REGULATORY INFORMATION



Xn HARMFUL

contains 100 g/l lambda-cyhalothrin with 1,2-benzisothiazolin-3-one

R20/22 Harmful by inhalation and if swallowed  
R43 May cause sensitisation by 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.

S13 Keep away from food, drink and animal feedingstuffs.

S24 Avoid contact with skin

S36/37 Wear suitable protective clothing and gloves.

S46 If swallowed, 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.

This product is approved under the Plant Protection Products Regulations (as amended).

## 16. OTHER INFORMATION

Issued: May 2006