

# CLAYTON

PLANT PROTECTION

## CLAYTON TINE

## SAFETY DATA SHEET

### 1. IDENTIFICATION OF SUBSTANCE

Clayton Tine MAPP 14072  
For use only as a horticultural fungicide.

#### Marketing company

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

|                                 |             |               |        |             |
|---------------------------------|-------------|---------------|--------|-------------|
| Metalaxyl-M                     | 45 % w/w    | CA 70630-17-0 | Xn, Xi | R 22, 41    |
| 2-heptanone                     | 1-5 % w/w   | CA 110-43-0   | Xn     | R 10, 20/22 |
| 1-phenyl-ethanone               | 10-20 % w/w | CA 98-86-2    | Xn     | R 22, 36    |
| Dodecyl benzenesulphonic acid   | 1-5 % w/w   | CA 27176-87-0 | C      | R 22, 35    |
| Ethoxylated alkyl tallow amines | 1-5 % w/w   | CA 61791-26-2 | C      | R 34        |
| Propane-1,2-diol                | 20-30 % w/w | CA 57-55-6    | -      | -           |

### 3. HAZARDS IDENTIFICATION

Human Ingestion: harmful  
Inhalation: irritating  
Environmental Harmful 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 and at rest; seek immediate medical attention.

**If swallowed:** do not induce vomiting. Wash mouth with water; seek immediate medical attention and show the container label or this datasheet.

**Advice to doctor:** there are no specific antidotes; treat symptomatically.

### 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. 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. 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 gloves when handling the concentrate.

After contact with skin, wash immediately with plenty of water.

Take off immediately all contaminated clothing.

Do not breathe spray.

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 and drinking after work.

Do not breathe spray.



Occupational exposure standards: Propane-1,2-diol (vapour and particulates)  
Long-term exposure limit (8-hour TWA ref. period) = 474 mg m<sup>-3</sup> or 150 ppm.  
Short-term exposure limit (15-minute ref. period) = not determined

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: yellow-orange liquid  
Flash point: 80°C  
Oxidising properties: none  
pH (1 % w/v in water): 6-10  
Relative density: 1.06 at 20°C  
Water solubility: miscible in all proportions

## 10. STABILITY AND REACTIVITY

Stable in packaging and in air at ordinary temperatures.

## 11. TOXICOLOGY

Acute oral LD<sub>50</sub> for female rat: 550 mg/kg  
Acute dermal LD<sub>50</sub> for rat: >2000 mg/kg  
Acute inhalation LC<sub>50</sub> (4 hour) for rat: >5.5 mg/litre air  
Eye irritation (rabbit): non-irritant  
Skin irritation (rabbit): non-irritant  
Skin sensitisation: negative (guinea-pig)

## 12. ECOLOGICAL INFORMATION

Fish LC<sub>50</sub> (96-hour) for rainbow trout: 15 mg/l  
Daphnia LC<sub>50</sub> (48-hour): 61 mg/l  
Algae EC<sub>50</sub> (72-hour): 39 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

Not classified as dangerous for transport.

## 15. REGULATORY INFORMATION



Xn HARMFUL

Contains 465 g/l metalaxyl-M

R22 Harmful if swallowed  
R37 Irritating to respiratory system

R52/R53 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.  
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 product is approved under the Plant Protection Products Regulations (as amended).  
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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