

# CLAYTON

PLANT PROTECTION

## CLAYTON DIMETHACHLOR

## SAFETY DATA SHEET

### 1. IDENTIFICATION OF SUBSTANCE

Clayton Dimethachlor MAPP 16188  
For use only as an agricultural herbicide.

#### Marketing company

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

Dimethachlor	48 % w/w	CA 50563-36-5	Xn, N	R 22, 43, 50/53
Solvent naphtha (petroleum), heavy aromatic.	20-30 % w/w	CA 64742-94-5	Xn, N	R 65, 66, 51/53
Cyclohexanone	15-20 % w/w	CA 108-94-1	Xn	R 10, 20/21/22, 38, 41
Benzenesulfonic acid, dodecyl-, calcium salt	1-5 % w/w	CA 26264-06-2	Xi	R 38, 41
2-methylpropan-1-ol	1-2 % w/w	CA 78-83-1	Xi	R 10, 37/38, 41, 67

### 3. HAZARDS IDENTIFICATION

Human Skin: irritant; may cause sensitisation  
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 immediate medical attention.

**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, keep 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.

### 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 coverall, face protection, rubber boots and suitable protective gloves as appropriate to the situation. 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 ventilated, cool, dry place. Protect from frost.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Wear suitable protective gloves and face protection (faceshield) when handling the concentrate.

Wear suitable protective gloves when handling contaminated surfaces.

Wash splashes from skin immediately.

Do not breathe spray.

When using, do not eat, drink or smoke.

Wash hands and exposed skin before meals and after work.



Occupational exposure standards:

Cyclohexanone: long-term exposure limit (8-hour TWA ref. period) = 10 ppm or 41 mg m<sup>-3</sup> (skin)  
2-methylpropan-1-ol: long-term exposure limit (8-hour TWA ref. period) = 50 ppm or 231 mg m<sup>-3</sup>

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: yellow-brown liquid  
Flash point: 65°C  
Explosivity: not explosive  
pH: 5.3 (1% w/v in water)  
Density: 1.04-1.08 g cm<sup>-3</sup> at 20°C  
Water solubility: fully miscible with water

## 10. STABILITY AND REACTIVITY

Stable in packaging and in air at ordinary temperatures. Keep in original packaging.

## 11. TOXICOLOGY

Acute oral LD<sub>50</sub> for rat: >2000 mg/kg  
Acute dermal LD<sub>50</sub> for rat: >4000 mg/kg  
Acute inhalation LC<sub>50</sub> (4 hour): >5 mg/litre air (derived)  
Skin irritation (rabbit): Irritant  
Eye irritation (rabbit): Non-irritant  
Sensitisation: Potential skin sensitiser (guinea pig)

## 12. ECOLOGICAL INFORMATION

DT<sub>50</sub> in soil: c.7 days  
DT<sub>50</sub> in water: c. 23 days  
LC<sub>50</sub> (96 hour) for rainbow trout: 9.5 mg/l  
Daphnia EC<sub>50</sub> (48-hour): 18.1 mg/l  
Algae EC<sub>50</sub> (72-hour): 18 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

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains dimethachlor).  
UN 3082 Class 9 Packing group III

## 15. REGULATORY INFORMATION



Xi IRRITANT



N DANGEROUS FOR  
THE ENVIRONMENT

Contains 500 g/l dimethachlor

R38 Irritating to skin  
R43 May cause sensitisation by skin contact

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.

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 Plant Protection Products Regulations.

## 16. OTHER INFORMATION

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