

# CLAYTON

PLANT PROTECTION

## CLAYTON LITHIUM SAFETY DATA SHEET

### 1. IDENTIFICATION OF SUBSTANCE

Clayton Lithium MAPP 15803

For use only as a horticultural fungicide.

#### Marketing company

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### 2. HAZARDS IDENTIFICATION

Human Ingestion: Harmful; may cause lung damage if swallowed

Possible risk of harm to the unborn child

Environmental Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Myclobutanil	19-20 % w/w	CA 88671-89-0	Xn, N	R 22, 36, 63, 51/53
Cyclohexanone	5-15 % w/w	CA 108-94-1	Xn	R 10, 20
Solvent naphtha (petroleum) heavy aromatic	20-30 % w/w	CA 64742-94-5	Xn, N	R 65, 66, 51/53
Propylene glycol	<10 % w/w	CA 57-55-6	-	-
Alkyl aryl sulfonate	< 5 % w/w	CA 68953-96-8	Xi, N	R 38, 41, 51/53
Alkoxyated alcohol	< 5 % w/w	CA 9038-95-3	Xi	R 36/38

### 4. FIRST AID

Remove all contaminated clothing.

Eyes: flush immediately with plenty of water for 15 minutes. Seek medical advice if irritation arises.

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; keep warm and at rest; seek 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. 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 coverall, face protection, suitable respiratory equipment, rubber boots and suitable protective gloves as appropriate for 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 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 away. Protect from frost.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Wear suitable protective clothing and gloves when handling the concentrate.

Avoid contact with eyes.

Wash concentrate from skin or eyes immediately.

When using do not eat, drink or smoke.

Wash hands and exposed skin before eating and drinking and after work.



Occupational exposure standards:

Cyclohexanone

Long-term exposure limit (8 hour TWA ref. period) = 10 ppm

Short-term exposure limit (15-minute ref. period) = 20 ppm

Propane-1,2-diol

(Particulates) long-term exposure limit (8-hour TWA ref. period) = 10 mg m<sup>-3</sup>

(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: white liquid

Odour: sweet

Flash point: 111°C (solvent)

Density: 1.03 g cm<sup>-3</sup>

Oxidising properties: none

pH : 7.9

Water solubility: readily disperses in water to form an emulsion

## 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 product/kg
Acute dermal LD <sub>50</sub> for rat:	>2000 mg product/kg
Acute inhalation LC <sub>50</sub> (4 hour) for rat	>5 mg product per litre air
Skin irritation:	Not an irritant
Eye irritation:	Moderate irritant
Skin sensitisation (guinea-pig):	Negative

## 12. ECOLOGICAL INFORMATION

LC <sub>50</sub> fish	>10-<100 mg product/litre
Daphnia EC <sub>50</sub>	>1-<10 mg product/litre
Algae IC <sub>50</sub>	>1-<10 mg product/litre
Bee LD <sub>50</sub>	>362 µg myclobutanil per bee

## 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 myclobutanil).

UN 3082; Class 9; Packing group III

## 15. REGULATORY INFORMATION



Xn HARMFUL

Contains 200 g/l myclobutanil with cyclohexanone  
R63 Possible risk of harm to the unborn child



N DANGEROUS FOR THE ENVIRONMENT

R51/53 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.

S35 This material and its container must be disposed of in a safe way.

S36/37 Wear suitable protective clothing and gloves.

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

## 16. OTHER INFORMATION

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