

# CLAYTON

PLANT PROTECTION

## CLAYTON DIQUAT

## SAFETY DATA SHEET

### 1. IDENTIFICATION OF SUBSTANCE

Clayton Diquat MAPP 12739  
For use only as an agricultural/horticultural desiccant.

### Marketing company

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

Diquat dibromide 370 g/l CA85-00-7 T+, T, Xn, Xi, N R22, 26, 48/25, 36/37/38, 43, 50/53

### 3. HAZARDS IDENTIFICATION

Human	Ingestion -	Toxic: danger of serious damage to health by prolonged exposure if swallowed. Harmful if swallowed
	Inhalation -	Very toxic; irritant
	Skin -	Irritant
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.

**Skin:** remove all contaminated clothing. Wash exposed skin and hair immediately with water, then with soap and water. Seek medical advice.

**Inhalation:** remove to fresh air. Seek medical attention immediately if inhalation is suspected. Note: diquat is non-volatile and therefore exposure via this route is unlikely during normal handling and use.

**If swallowed:** do not induce vomiting; give water to rinse mouth; keep patient at rest; seek medical attention **immediately** and show the container label or this datasheet.

**Guide to doctor:** give stomach washout and test urine and gastric aspirate for diquat. Purge gastrointestinal tract immediately with a 15% suspension of Fuller's Earth and 200 ml of 20% mannitol in water. Contact nearest Poisons Information Centre for advice on further treatment.

### 5. FIRE FIGHTING

Wear full protective clothing, goggles and respirator. Call fire brigade for all but small, immediately controllable fires. Product is not flammable, but packaging will burn. 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. 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 out of direct sunlight. Protect from frost.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Wear suitable protective clothing (coveralls) and suitable protective gloves when handling the concentrate.

Take off immediately all contaminated clothing.

Wash all protective clothing thoroughly after use, especially the insides of gloves.

Wash concentrate from skin or eyes immediately.

When using do not eat, drink or smoke. Do not breathe spray.

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

Occupational exposure standards: long-term exposure limit (8-hour TWA ref. period) = 0.5 mg m<sup>-3</sup>

short-term exposure limit (15-minute ref. period) = 1 mg m<sup>-3</sup>

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: brown liquid concentrate

Odour: none

Flash point: not flammable

Vapour pressure: < 0.013 mPa at 20°C (diquat dibromide)

Relative density: 1.20 at 20°C

pH: pH 5 (5% solution in water)

Water solubility: product is fully soluble/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: 1389 mg/kg

Acute dermal LD<sub>50</sub> for rat: >2000 mg/kg

## 12. ECOLOGICAL INFORMATION

In soil: rapidly bound and completely deactivated

LC<sub>50</sub> (96 hour) for rainbow trout: 21 mg diquat dibromide 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

CORROSIVE LIQUID, N.O.S., (contains diquat dibromide)

UN 1760, Class 8, Packing Group III

Packaging: 5-25 litres in high-density polyethylene containers.

## 15. REGULATORY INFORMATION



**VERY TOXIC**

contains 370 g/l diquat dibromide

R48/25 Toxic: danger of serious damage to health by prolonged exposure if swallowed

R22 Harmful if swallowed

R26 Very toxic by inhalation

R37/38 Irritating to respiratory system and skin



**N DANGEROUS FOR THE ENVIRONMENT**

R50/R53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Contains diquat; may produce an allergic reaction.

S2 Keep out of the reach of children.

S13 Keep away from food, drink and animal feedingstuffs.

S36/37 Wear suitable protective clothing and gloves.

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

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 (as amended).

## 16. OTHER INFORMATION

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