

# CLAYTON

PLANT PROTECTION

CLAYTON OXEN FL

SAFETY DATA SHEET

## 1. IDENTIFICATION OF SUBSTANCE

Clayton Oxen FL MAPP 12861

For use only as a horticultural herbicide.

### Marketing company

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

Oxadiazon	25.4 % w/w	CA 19666-30-9	N	R 50/53
Calcium alkylarylsulfonate	1-5 % w/w	-	Xi	R 36/38
Isobutanol	1-5 % w/w	CA 78-83-1	Xi	R 10, 37/38, 41, 67
Cyclohexanone	5-25 % w/w	CA 108-94-1	Xn	R 10, 20
Solvent naphtha (petroleum) heavy aromatic	25-50 % w/w	-	Xn, N	R 65, 66, 67, 51/53

## 3. HAZARDS IDENTIFICATION

Human	Ingestion: Harmful - may cause lung damage if swallowed. Skin: Irritant Eyes: Irritant Inhalation: Vapours may cause drowsiness and dizziness
Environmental	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Physical	Flammable

## 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 attention if symptoms arise.

**Inhalation:** remove to fresh air; prevent all exertion; seek medical attention.

**If swallowed:** do not induce vomiting; give water to rinse mouth; keep patient at rest; seek 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 full protective clothing and a respirator or face mask protective against organic vapours. Remove sources of ignition. 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), suitable protective gloves and face protection (faceshield) when handling the concentrate. Wash concentrate from skin or eyes immediately.

When using do not eat, drink or smoke. Wash hands and exposed skin before meals and after work.

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

Occupational exposure standards

Isobutanol: long-term exposure limit (8-hour TWA ref. period) = 50 ppm or 154 mg m<sup>-3</sup>  
short-term exposure limit (15-minute ref. period) = 75 ppm or 231 mg m<sup>-3</sup>  
Cyclohexanone: long-term exposure limit (8-hour TWA ref. period) = 10 ppm  
short-term exposure limit (15-minute ref. period) = 20 ppm

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: clear, brown liquid  
Odour: characteristic  
Flash point: 55°C  
Upper explosion limit: 7 % v/v (for solvent)  
Lower explosion limit: 0.8 % v/v (for solvent)  
Density: 0.99 g/ml at 20°C  
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.

## 11. TOXICOLOGY

Acute oral LD<sub>50</sub> for rat: >2000 mg/kg  
Acute dermal LD<sub>50</sub> for rat: >2000 mg/kg  
Inhalation LC<sub>50</sub> (4-hour) for rat: >5.04 mg per litre of air.  
Eye irritation: Irritant  
Skin irritation: Irritant  
Skin sensitisation: Negative

## 12. ECOLOGICAL INFORMATION

LC<sub>50</sub> (96 hour) for rainbow trout: 1.2 mg oxadiazon per litre  
Daphnia LC<sub>50</sub> (48-hour): 2.4 mg oxadiazon per litre  
Algae EC<sub>50</sub> (72-hour): 0.03 mg oxadiazon 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

FLAMMABLE LIQUID, N.O.S. (contains cyclohexanone).

UN 1993; Class 3; Packing group III

Packaging: 1-5 litres in co-extruded polyamide and high-density polyethylene containers.

## 15. REGULATORY INFORMATION



Xn HARMFUL

contains 250 g/l oxadiazon with cyclohexanone and solvent naphtha (petroleum), heavy aromatic  
R10 Flammable  
R36/38 Irritating to eyes and skin  
R65 Harmful: may cause lung damage if swallowed  
R67 Vapours may cause drowsiness and dizziness



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.

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

S37/39 Wear suitable gloves and eye/face protection.

S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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 Control of Pesticides Regulations 1986.

## 16. OTHER INFORMATION

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