

CLAYTON

PLANT PROTECTION

CLAYTON KUDOS

SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE

Clayton Kudos MAPP 16580
For use only as an agricultural fungicide.

Marketing company

Clayton Plant Protection (UK) Ltd.,
Bracetown Business Park, Clonee, Dublin 15, Ireland.
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2. COMPOSITION/INFORMATION ON INGREDIENTS

| | | | | |
|--|-------------|----------------|-------|------------------------|
| Isopyrazam | 11.6 % w/w | CA 881685-58-1 | Xn, N | R 40, 43, 63, 50/53 |
| Epoxiconazole | 8.3 % w/w | CA 133855-98-8 | Xn, N | R 40, 62.63, 51/53 |
| Propane-1,2-diol | 5-10 % w/w | CA 57-55-6 | - | - |
| Poly(oxy-1,2-ethanediyl), alpha-butyl- omega-hydroxy, C16-18 and C18- unsaturated alkyl ethers | 10-15 % w/w | CA 146340-16-1 | Xi, N | R 22, 43, 50 |

3. HAZARDS IDENTIFICATION

Human Harmful by inhalation
May cause sensitisation by skin contact.
Possible risk of impaired fertility
Possible risk of harm to the unborn child
Limited evidence of a carcinogenic effect

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.

Medical advice: treat symptomatically; no specific antidote.

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, alcohol-resistant 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 out of direct sunlight. Protect from frost.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Avoid contact with skin.
Wear suitable protective clothing and gloves.
Wash splashes from skin immediately.
Wash hands and exposed skin before meals and after work.

Occupational exposure standards: Propane-1,2-diol

Vapour and particulates long-term exposure limit (8-hour TWA ref. period) = 150 ppm or 474 mg m⁻³

Particulates long-term exposure limit (8-hour TWA ref. period) = 10 mg m⁻³

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: viscous opaque liquid, off-white
Flash point: >101°C
Explosivity: not explosive
Oxidising properties: none
pH: 6-8
Density: 1.07 g cm⁻³ 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 LD₅₀ for rat: >2000 mg/kg
Acute dermal LD₅₀ for rat: >2000 mg/kg
Acute inhalation LC₅₀ (4 hour) for rat: 1.16 mg/litre air
Skin irritation (rabbit): Not irritating
Eye irritation (rabbit): Moderately irritating
Skin sensitisation: Potential skin sensitiser

12. ECOLOGICAL INFORMATION

LC₅₀ (96 hour) for rainbow trout: 0.47 mg/l
Daphnia EC₅₀ (48-hour): 0.47 mg/l
Pseudokirchneriella subcapitata
EC₅₀ (72 hr) >10 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 isopyrazam).

UN 3082 Class 9 Packing group III

15. REGULATORY INFORMATION



Xn HARMFUL

Contains 90 g/l epoxiconazole (8.4 % w/w) and 125 g/l isopyrazam (11.7 % w/w) in a suspension concentrate

R20 Harmful by inhalation
R40 Limited evidence of a carcinogenic effect
R43 May cause sensitisation by skin contact
R62 Possible risk of impaired fertility
R63 Possible risk of harm to the unborn child



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.
- S24 Avoid contact with skin.
- S35 This material and its container must be disposed of in a safe way.
- S36/37 Wear suitable protective clothing and gloves.
- S46 If swallowed, seek medical advice immediately and show this container or label.
- S57 Use appropriate container to avoid environmental contamination.

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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