

Material Safety Data Sheet

1. Identification of the substance/preparation and the company.

Product

Trade Name: AGRIGUARD Clopyralid
Code: MS025
Revision Number: 01

Company

Manufacturer / Supplier: Agriguard Ltd
Address: 23 Sonesta
Malahide
Co. Dublin
Ireland
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2. Composition/Information on Ingredients

Component	CAS Number	Conc. g/l	R Phrases
Clopyralid	1702-17-6	200	R52/53

3. Hazards Identification

This product is not hazardous according to EC criteria

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4. First Aid Measures

Skin Contact:	Wash thoroughly with soap and water
Eye Contact:	Irrigate immediately with water for at least 5 minutes.
Inhalation:	Remove to fresh air. Consult a physician
Ingestion:	DO NOT induce vomiting. Call a physician. The decision to induce vomiting or not.
Further Information:	Advice to physician. No specific antidote. Supportive care. Treatment based on judgement of physician in response to symptoms of patient.

5. Fire-fighting Measures

Suitable extinguishing media:	Water fog or fine spray. Carbon dioxide, foams or dry powder.
Special protective equipment for fire-fighting:	Wear self contained breathing apparatus and protective clothing.
Additional information:	Keep containers cool by spraying with water. Contain runoff to prevent entry into water or drainage systems.

6. Accidental Release Measures

Personal precautionary measures:

Wear the personal protective equipment outlined in section 8 below.

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Environmental-protection measures:

Keep the area isolated and do not allow contamination to enter drains or waterways. Spillage or uncontrolled discharges into watercourses must be alerted to the National Rivers Authority. If the product has entered a watercourse or sewer, or grossly contaminated soil or vegetation in a public place, advise police.

Procedures for cleaning/absorption:

Contain/absorb the spillage with a suitable inert absorbent material or sand which should then be transferred to secure containers and sent for disposal.

Further Information:

Remove sources of ignition.

7. Handling and Storage

Handling: Use good personal hygiene. Do not consume or store food in the work area. Wash hands and exposed skin before eating, drinking or smoking and after work.

Storage: Store in a cool area in the original containers, access should only be for authorised persons. Protect from excessive heat and cold. Do not store near food, drink, animal feeding stuffs, pharmaceuticals, cosmetics or fertilisers. Keep out of reach of children

8. Exposure Controls/Personal Protection

Personal protective equipment:

Exposure guidelines None established for the preparation. Clopyralid: IHG is 10 mg/3

Eye protection: Wear safety goggles conforming to BS 2092.

Hand protection: Wear nitrile gloves.

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Respiratory protection: If the ventilation is not adequate wear an approved respirator for pesticides.

Industrial Hygiene:

Do not breathe spray mist. Immediately change contaminated clothing, dispose of if decontamination is not feasible. Keep the work area clean and wash hands before finishing work. When using do not eat, drink or smoke.

9. Physical and Chemical Properties

Form:	Liquid
Solubility in Water:	miscible
Rel; density(water =10)	1.11 APPROX. (20°C)
Boiling point/range:	100°C (approx)
Melting point/range	>-5°C
Flash point	none

10. Stability and Reactivity

Substances to be avoided: Strong basic, acidic or oxidising materials.

Conditions to be avoided: Avoid extremes of temperature

Further information: Stable at ambient conditions.

11. Toxicological Information

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Acute toxicity:

Bases on data for similar formulation

Ingestion: Single dose oral toxicity is considered to be low
The estimated oral LD50 for rats is > 2000 mg/kg

Skin contact: The estimated dermal LD50 for rats is > 2000 mg/kg.
A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts. Short single exposure may cause slight skin irritation

Sensitisation: Non- sensitising to guinea pig skin.

Eye contact: May cause slight eye irritation.

Inhalation: No adverse effects anticipated if properly handled.

12. Ecological Information

Persistence and degradability:

The principle route of degradation is microbial and will occur readily.
Half-life in soils is dependent on soil type and conditions and is approximately 12 - 62 days.

Aquatic toxicity:

Material is not harmful to fish on an acute basis (LC50 > 100 mg/l)
Material is not harmful to aquatic invertebrates on an acute basis (EC50 >100 mg/l).

Avian Toxicity:

Material is slightly to birds on an acute basis (500 mg/kg < LD50 <2000 mg/kg).

13. Disposal Considerations

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Dispose of product concentrate, diluted product and empty containers according to the 'Code of Practice for the Safe Use of Pesticides on Farms and Holdings' available from HMSO. Do not re-use container for any purpose.
Contact the Local Council Authority for advice on the disposal of pesticide waste, or ask an approved waste disposal contractor.

14. Transport Information

Product is not classified for any mode of transportation

15. Regulatory Information

Hazard symbol: None required

R phrases: None required

S phrases: S 23 Do not breathe spray
S37/39 Wear suitable gloves and eye/face protection

Designated name: AGRIGUARD Clopyralid (contains Clopyralid 200g/L)

This product is covered by the Control of Pesticides Regulations, 1986, and is labelled accordingly (MAPP 10182).

16. Other Information

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Disclaimer: The information contained in this MSDS is designed to give general health and safety guidance on the storage and transport of the substance/preparation to which it relates. Requirements arising from a Risk Assessment of the substance/preparation in a particular working environment should take precedence over any of the guidance contained in this MSDS where there is a difference in the information given. The information contained in this MSDS is accurate at the date of publication and will be updated as and when appropriate. Liability will not be accepted for any injury, loss or damage resulting from any failure to take account of information or advice contained in this MSDS.

Compiled in accordance with EC Directive 91/155/EEC.