

Product Safety Data Sheet

1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name: 'Casoron' G-4
MAFF No: 07927

Company: Miracle Professional
Salisbury House
Weyside Park
Catteshall Lane
Godalming
Surrey GU7 1XE

Phone number: 01483 410210
Emergency phone: 01865 407333

2. COMPOSITION/INFORMATION ON INGREDIENTS

A selective granular herbicide containing 4% w/w dichlobenil.

EEC No: 214-787-5 : dichlobenil

Hazardous ingredient(s)	CAS No.	% (w/w)	Symbol	R Phrases
Dichlobenil	001194-65-6	4	Xn	R21

3. HAZARDS IDENTIFICATION

Low toxicity under normal conditions of handling and use.

4. FIRST-AID MEASURES

Inhalation Remove patient from exposure, keep warm and at rest.

Obtain medical attention as a precaution.

Skin Contact Take off immediately all contaminated clothing. Wash skin immediately with water, followed by soap and water. Such action is essential to minimise contact with skin. Contaminated clothing should be laundered before re-use.

Eye Contact Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Obtain medical attention if irritation persists.

Ingestion If swallowed seek medical advice immediately and show the container, label or this Data Sheet, if possible. Do not induce vomiting.

Medical Advice: Symptomatic treatment and supportive therapy as indicated.

5. FIRE-FIGHTING MEASURES

Keep fire exposed containers cool by spraying with water.

Extinguishing media

Small fires: use foam, carbon dioxide or dry powder extinguishant.

Large fires: use foam or water-fog; avoid use of water jet. Contain run-off water with, for example, temporary earth barriers.

Protective Equipment:

Self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Ensure suitable personal protection during removal of spillages. This means wearing a face mask that gives protection against toxic dusts, eye protection, chemically resistant gloves, boots and coveralls.

Clean up methods: Cover spillage with moist sand, soil or sawdust. Transfer to a container for disposal. Wash the spillage area with water. Washings must be prevented from entering surface water drains.

Spillages or uncontrolled discharge into water courses must be alerted to the appropriate regulatory body.

7. HANDLING AND STORAGE

7.1 Handling

Read the label before use. Avoid contact with skin and eyes. When using do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.

7.2 Storage

Keep in original containers, tightly closed, out of reach of children. Keep away from food, drink and animal feeding stuffs. Store well away from corms, bulbs, tubers and seeds. Protect from frost.

Storage Life: Physically and chemically stable for at least 2 years when stored in the original unopened sales container at ambient temperatures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Personal protection:** Not required when used as directed on the label.**Occupational Exposure Limits:** Not applicable to field use.

Hazardous ingredient(s)	LTEL 8hr TWA		STEL		Time min
	ppm	mg/m ³	ppm	mg/m ³	
No Occupational Exposure Limit Assigned.					

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	granules	Colour:	grey/white
Odour:	aromatic	pH (Value)	not available
Boiling point (°C):	not applicable	Melting point (°C):	not available
Auto Ignition Temp (°C):	not available	Flash Point (°C):	does not flash
Explosive Properties:	not applicable	Oxidising Properties:	not applicable
Vapour Pressure (mm Hg):	not available	Solubility (Water):	insoluble
Partition Coefficient:	not available	Bulk Density (g/ml):	approx 1.2

10. STABILITY AND REACTIVITY**Hazardous Decomposition Product(s):** Combustion or thermal decomposition will evolve toxic and irritant vapours.**11. TOXICOLOGICAL INFORMATION****Inhalation:** Unlikely to cause harmful effects under normal conditions of handling and use.**Skin Contact:** Unlikely to cause skin irritation.

Dermal Median Lethal Dose >2000 mg/kg (rat)

Eye Contact: Dust may cause irritation.**Ingestion:** Low oral toxicity.

Oral Median Lethal Dose >5000 mg/kg (rat)

12. ECOLOGICAL INFORMATION**Toxicity:** Harmful to fish and other aquatic organisms.

The half-life of dichlobenil in soil can vary from 1-6 months depending on soil type and activity of micro-organisms.

LD₅₀ bobwhite quail (8 days) about 5200 mg/kg diet.LC₅₀ mallard duck (8 days) > 5200 mg/kg diet.**13. DISPOSAL CONSIDERATIONS**

Empty containers should not be used for other purposes. Do not contaminate ponds, waterways or ditches with chemical or used containers. Dispose of product or empty containers according to the Code of Practice for the Use of Approved Pesticides in Amenity and Industrial Areas (published by NAAC/NTC).

Disposal should be in accordance with local or national legislation.

14. TRANSPORT INFORMATION

Not classified as Dangerous for Transport.

15. REGULATORY INFORMATION**Classification:** Not classified as Dangerous for Supply/Use.**Safety Phrases** SO53 Do not reuse container, keep tightly closed in a safe place.

SO54 See instructions for use supplied separately.

DO1 Wash substances from skin or eyes immediately.

This product has been labelled in accordance with the Control of Pesticides Regulations, 1986. Users should ensure that they comply with any relevant local or national legislation.

The (COSHH) Control of Substances Hazardous to Health Regulations 1994 may apply to the use of this product at work.

16. OTHER INFORMATION

This product was previously marketed by Zeneca Professional (MAFF 06855) and by ICI (MAFF 02406).

This data sheet was prepared in accordance with Directives 91/155/EEC and 93/112/EC.

Use: As a selective herbicide in shrubbery and tree borders for control of annual and perennial weeds.

Product packed in a polyethylene-lined cardboard box containing 25 kg product.

The information on this sheet is not a specification, it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product nor where instructions or recommendations are not followed.