

SAFETY DATA SHEET



Product Name: **CASORON G4** Reference No: 372

Version No.: 1 Revision Date: - Date of Introduction: September 2001

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Name CASORON G4
Common name of active ingredient DICHLOBENIL
Intended use For use only as a Horticultural Herbicide
Company Identification **Scotts UK Professional**
The Scotts Company (UK) Ltd
Paper Mill Lane
Bramford, Ipswich Telephone +44 (0) 1473 830 492
Suffolk, IP8 4BZ
Emergency Telephone 01865 407333 (24hr)

2. COMPOSITION / INFORMATION ON INGREDIENTS

NPK: Not applicable

Chemical Characterisation

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
DICHLOBENIL	1194-65-6	214-787-5	Xn: R21, N: R51/53	4%w/w

3. HAZARDS IDENTIFICATION

Physicochemical: NOT CLASSIFIED

Health:

General

Ingestion Not classified as harmful. Low oral toxicity.

Eye contact Dust may cause irritation to eyes.

Skin contact Very low hazard. Unlikely to cause irritation.

Inhalation Unlikely to be harmful under normal conditions of use.

Environmental: HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

4. FIRST AID MEASURES

General information

Inhalation Remove patient from source of exposure, keep warm and at rest. Obtain medical attention if symptoms persist.

Skin contact Immediately flush skin with plenty of soap and water for at least 15 minutes whilst removing any contaminated clothing. 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 15 minutes. Obtain medical attention if irritation persists.

Ingestion If swallowed seek medical advice immediately and show this container or label. Do not induce vomiting

5. FIRE FIGHTING MEASURES**General hazard**

Extinguishing media	Dry powder, carbon dioxide (CO ₂) foam or water fog.
Extinguishing media to avoid	Strong water jet.
Special exposure hazards	None known.
Protective equipment	Self-contained breathing apparatus and suitable protective clothing.
Further information	Prevent fire water run-of from entering watercourses or drains.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up	Wear suitable protective clothing (see also section 8). Sweep up and collect in a suitable labelled container for disposal (see also section 13).
Environmental considerations	Spillages on uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

7. HANDLING & STORAGE

Advice on safe handling	For full instructions and information on the use of Casoron G4, refer to the main carton label – read before use. Avoid dust formation. Local exhaust ventilation suggested to prevent dust build up.
Storage conditions	Store under cool, dry conditions. Owing to the high phytotoxicity to buds and germinating seeds Casoron G4 should be stored well away from corms, bulbs tubers and seeds for planting.
Shelf life	At least 2 years.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls	There are no occupational exposure limits available.
Engineering controls	Ensure adequate ventilation of working area.
Personal protection	Observe normal standards for handling chemicals. Wash hands before breaks and after use. In case of accidental spillage of bulk product, wear personal protective equipment appropriate to the task (see below)
Eye protection	Faceshield BSEN1664F
Skin protection	Nitrile gloves
Respiratory protection	Dust mask EN149:2001FFP3 (e.g. if ventilation is insufficient)
Other protection	Protective overall and rubber boots.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical form	Granular solid.
Colour	Grey.
Odour	Aromatic.
pH	Not available
Boiling pt / range	Not applicable
Flash point	Not applicable
Flammability	Not available
Bulk density	1,20kg/m ³
Water solubility	Not available
Additional information	Auto-ignition temperature: >400°C

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10. STABILITY & REACTIVITY

Stability	This product is stable under normal storage and handling conditions.
Conditions to avoid	None known.
Material to avoid	Strong acids. Strong bases. Oxidizing agents.
Hazardous reactions	None known.
Hazardous decomposition products	Irritating fumes. Oxides of carbon. Oxides of nitrogen.
Further information	None.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Oral LD ₅₀	Rat	>5,000mg/kg
	Dermal LD ₅₀	Rabbit	>2,000mg/kg
	Inhalation LD ₅₀	Not applicable.	
Skin	Not irritant, non-sensitising (rabbit)		
Eye	Not irritant (rabbit)		

12. ECOLOGICAL INFORMATION

Acute toxicity	LC ₅₀ (96hr)	317mg/l	Fish
	IC ₅₀ (72hr)	50mg/l	Algae
	EC ₅₀ (48hr)	155mg/l	Daphnia magna
Further information	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.		

13. DISPOSAL CONSIDERATIONS

User	Avoid discharge to sewers and natural waters. Empty drums should be decontaminated and either passed to an approved drum reconditioner or destroyed. Containers that cannot be cleaned must be treated as waste.
Surplus bulk product / spillage	In accordance with national and local authority regulations, e.g. special waste (e.g. Special Waste Regulations) or incineration, after consultation with the operator.

14. TRANSPORT INFORMATION

United Nations number	Not classified for transport.
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15. REGULATORY INFORMATION

Classification & labelling	In accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations (CHIP 3), the product is not classified. This Safety Data Sheet does not form part of the label approved under the Control of Pesticide Regulations 1986.
Current registration no.	10708
Previous registration no.	09215
Risk phrases	HARMFUL TO FISH OR OTHER AQUATIC LIFE. Do not contaminate surface waters or ditches with chemical or used container.
Safety phrases / precautions (from the label)	<p>Operator protection WASH HANDS before meals and after work.</p> <p>Environmental protection DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with the chemical or used container.</p> <p>Storage and disposal KEEP IN ORIGINAL CONTAINER, tightly closed in a safe place. EMPTY CONTAINER COMPLETELY and dispose of safely.</p> <p>Use appropriate container to avoid environmental contamination. Avoid release to the environment. Refer to special instructions/safety data sheet. Safety data sheet available for professional user on request. To avoid risks to man and the environment, comply with the instructions for use.</p>

16. OTHER INFORMATION

Further information	<p>The Control of Substances Hazardous to Health Regulations (COSHH) may be applicable to the use of this product.</p> <p><u>Risk phrases referred to in section 2 for composite ingredients.</u> R21: Harmful in contact with skin. R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>For further advice authorised persons (e.g. doctor) may contact the National Poisons Information Service Centre: UK National number: 0870 600 6266 Eire (Dublin) 00 3531 8379964 or 00 3531 8379966</p>
Sources of data	EH40/2002 and other suppliers' safety data sheets
Date of issue	March 2004
<p>The information on this sheet is not a specification and 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.</p>	