

# Product Safety Data Sheet

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

**Product name:** 'Casoron' G-SR  
**MAFF No:** 07925

**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 aquatic herbicide.

A granular formulation containing 20% w/w dichlobenil, dispersant and inert carrier.

**EEC No:** 214-787-5 : dichlobenil

Hazardous ingredient(s)	CAS No.	% (w/w)	Symbol	R Phrases
Dichlobenil	001194-65-6	20.0	Xn	R21

## 3. HAZARDS IDENTIFICATION

Low toxicity under normal conditions of handling and use. *Harmful to aquatic organisms.* ('Casoron' G-SR can be used however for the control of aquatic weeds in the presence of fish if used in strict accordance with recommendations.)

## 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. 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 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 protection:** 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 container, 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.

**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 <sup>3</sup>	ppm	mg/m <sup>3</sup>	
No Occupational Exposure Limit Assigned.					

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	granule	Colour:	grey/white
Odour:	not available	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 1.1

## 10. STABILITY AND REACTIVITY

**Hazardous Decomposition Product(s):** Combustion or thermal decomposition will evolve toxic and irritant vapours.

## 11. TOXICOLOGICAL INFORMATION

<b>Inhalation:</b>	Unlikely to cause harmful effects under normal conditions of handling and use.
<b>Skin Contact:</b>	Unlikely to cause skin irritation. Dermal Median Lethal Dose >2000 mg/kg (rat)
<b>Eye Contact:</b>	Dust may cause irritation.
<b>Ingestion:</b>	Low oral toxicity. Oral Median Lethal Dose >5000 mg/kg (rat)

## 12. ECOLOGICAL INFORMATION

**Toxicity:** This ecological assessment is calculated from data available on the components of the formulation.  
*Harmful to aquatic organisms.*  
LC<sub>50</sub> (guppies) (48 hour) <100 mg/l.  
EC<sub>50</sub> (Daphnia magna) (48 hour) approx 50 mg/l.  
(‘Casoron’ G-SR can be used however for the control of aquatic weeds in the presence of fish if used in strict accordance with recommendations.)  
The maximum concentration of dichlobenil in treated water must not exceed 3 ppm or such lower concentration as the appropriate regulatory body may require.  
Treated water must not be used for irrigation purposes within two weeks of treatment or until the concentration of dichlobenil in the water is below 0.3 ppm.  
Treatment of heavy weed growth in a water body leads to weed decay and deoxygenation. In cases where excess and rapid weed decay arises (the label recommends treatment of no more than 20% of a water body at any one time), deoxygenation of the water can affect fish.  
The half-life of dichlobenil in soil can vary from 1-6 months depending on soil type and activity of micro-organisms.  
LD<sub>50</sub> bobwhite quail (8 days) about 5200 mg/kg diet.  
LC<sub>50</sub> 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 and 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

<b>Classification:</b>	Not classified as Dangerous for Supply/Use.	
<b>Safety Phrases</b>	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 6856) and by ICI (MAFF 0451).

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

Use: As a selective herbicide for the control of aquatic weeds.

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

The information given is based upon the manufactures/suppliers data sheet and other publicly available information. Application of this product to water may lead to illegal pollution. Before use in or near reservoirs, water courses and lakes therefore, consult the appropriate water regulatory authorities for permission.

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.