

SAFETY DATA SHEET



Product Name: MIDSTREAM GSR **Reference No:** 357
Version No.: 1 **Revision Date:** N/A **Date of Introduction:** May 2003

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Name MIDSTREAM GSR
Common name of active ingredient DICHLOBENIL
Intended use For use only as an Aquatic 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

JBA No: 019390
NPK: Not applicable

Chemical Characterisation

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
DICHLOBENIL	001194-65-6	214-787-5	Xn: N: R21, R51, R53	20%w/w

3. HAZARDS IDENTIFICATION

Physicochemical: NOT CLASSIFIED

Health:

- General** Low toxicity under normal conditions of handling and use.
- Ingestion** Low toxicity under normal conditions of handling and use.
- Eye contact** Low toxicity under normal conditions of handling and use.
- Skin contact** Low toxicity under normal conditions of handling and use.
- Inhalation** Low toxicity under normal conditions of handling and 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 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 shown the container, label or this Data sheet if possible. Do not induce vomiting.

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5. FIRE FIGHTING MEASURES

General hazard	Non-flammable.
Extinguishing media	Foam, carbon dioxide (CO ₂), water fog or dry powder extinguishant.
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 off from entering watercourses. Contain run-off water with, for example, temporary earth barriers Keep fire exposed containers cool by spraying with water.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up	Ensure suitable personal protection during removal of spillages. (see also section 8). Cover spillage with moist sand, soil or sawdust. Transfer to a container for disposal (see also section 13). Wash the spillage area with water. Washings must be prevented from entering surface water drains.
Environmental considerations	Spillages or uncontrolled discharge into watercourses must be alerted to the appropriate regulatory body. (Environment Agency / Scottish Environment Protection Agency)

7. HANDLING & STORAGE

Advice on safe handling	READ ALL SAFETY PRECAUTIONS AND DIRECTIONS FOR USE BEFORE USE. Wash hands before meals and after work.
Storage conditions	Keep in original container, tightly closed, in a safe place. STORE UNDER COOL DRY CONDITIONS
Shelf 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

Exposure controls	There are no Occupational Exposure Limit values available.
Personal protection	Observe normal standards for handling chemicals. Avoid inhalation of dust. 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.
Other protection	Protective overall and rubber boots.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical form	Granules
Colour	Light grey
Odour	Not available
pH	Not available
Boiling pt / range	Not applicable
Melting pt / range	Not determined
Flammability	Not determined
Bulk density	0.95 - 1.15
Moisture content	1.0 – 2.5%
Water solubility	Not available

10. STABILITY & REACTIVITY

Stability	Stable under normal conditions of handling and use.
Conditions to avoid	None known.
Material to avoid	None known.
Hazardous reactions	None known.
Hazardous decomposition products	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: >2000mg/kg (rat).
Eye contact	Dust may cause irritation.
Ingestion	Low oral toxicity. Oral Median Lethal Dose: >5000mg/kg (rat).

12. ECOLOGICAL INFORMATION

<p>Toxicity</p> <p>This ecological assessment is calculated from data available on the components of the formulation.</p> <p>Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.</p> <p>LC₅₀ (guppies) (48 hour) <100mg/l EC₅₀ (<i>Daphnia magna</i>) (48 hour) approximately 50mg/l</p> <p>Midstream GSR can be used however for the control of aquatic weeds in the presence of fish if used in strict accordance with recommendations.</p> <p>The maximum concentration of Dichlobenil in treated water must not exceed 3ppm or such lower concentrations as the appropriate regulatory body may require.</p> <p>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 0.3ppm.</p> <p>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.</p> <p>The half-life of dichlobenil in soil can vary from 1-6 months depending on soil type and activity of micro-organisms.</p> <p>LD₅₀ bobwhite quail (8 days) about 5200mg/kg diet LC₅₀ mallard duck (8 days) >5200mg/kg diet.</p>

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13. DISPOSAL CONSIDERATIONS

Advice on disposal	Empty containers should not be used for other purposes. Do not contaminate ponds, waterways or ditches with chemical or used containers. Disposal should be in accordance with national and local authority regulations, e.g. special waste (e.g. Special Waste Regulations, 1996) or incineration, after consultation with the operator.
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14. TRANSPORT INFORMATION

United Nations number	Not classified as Dangerous for Transport.
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15. REGULATORY INFORMATION

Classification & labelling	The product is classified in accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations (CHIP 3). This Safety Data Sheet does not form part of the label approved under the Control of Pesticide Regulations 1986. Following the instructions on the pesticide product label for the specified uses should ensure that the product is used safely and efficaciously for those uses. To avoid risks to man and the environment, comply with the instructions for use. Safety Data Sheet available to professional user on request.
Current registration no.	MAPP 11674
Risk phrases	HARMFUL TO FISH OR OTHER AQUATIC LIFE. MAY CAUSE LONG-TERM ADVERSE EFFECTS ON THE AQUATIC ENVIRONMENT.
Safety phrases / precautions (from the label)	Operator protection WASH HANDS before meals and after work. Environmental protection DO NOT DUMP surplus herbicide in water or ditch bottoms. HARMFUL TO FISH OR OTHER AQUATIC LIFE. The maximum concentration of active ingredient in treated water must not exceed 3ppm or such lower concentration as the appropriate regulatory body may require. DO NOT USE TREATED WATER for irrigation purposes within TWO WEEKS of treatment or until the concentration of active ingredients in the water is below 0.3ppm. Users must consult the appropriate water regulatory body (Environment Agency/Scottish Environment Protection Agency) before using the product near water and must obtain their agreement before using this product to control aquatic weeds. Storage and disposal KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place. EMPTY CONTAINER COMPLETELY and dispose of safely. STORE UNDER COOL DRY CONDITIONS.

16. OTHER INFORMATION

Further information	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. <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. 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
Sources of data	EH40/2002 and other suppliers' safety data sheets
Date of issue	August 2003
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.	