



Material Safety Data Sheet

According to EC Regulation 1907/2006

Print date: 15-Oct-2008

Revision Number: 0

Revision date:

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

Identification of the substance or preparation

MSDS Ref. No.: 017564
Product name: Pathclear Weedkiller LC

Use of the Substance/Preparation

Recommended use: For use only as a home garden weedkiller.

Company/Undertaking Identification
• The Scotts Company (UK) Ltd, Salisbury House, Weyside Park, Catteshall Lane, Godalming, Surrey, GU7 1XE, United Kingdom

Emergency telephone number: • ++44 (0) 1865 407333 (24h)

Email: INFO-MSDS@Scotts.com

2. HAZARDS IDENTIFICATION

Classification

N - Dangerous for the environment

Most important hazards

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature of the preparation

Components	CAS-No	Weight %	EC-No.	Classification
Glyphosate	1071-83-6	10 - 25%	607-315-00-8	N;R51/53 Xi;R41
Difflufenican	83164-33-4	1 - 5%	616-032-00-9	R52/53
1,2-Benzisothiazolin-3-one	2634-33-5	< 1%	220-120-9	N;R50 R43 Xi;R38-41 Xn;R22

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NE = Non-Established

For the full text of the R phrases mentioned in this Section, see Section 16

4. FIRST AID MEASURES

General advice:	If you feel unwell, seek medical advice (show the label where possible).
Ingestion:	Rinse mouth. If symptoms persist, call a physician.
Inhalation:	Move to fresh air. If symptoms persist, call a physician.
Skin contact:	Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Coordinate fire extinguishing measures to fire in surrounding area

Unsuitable extinguishing media:

Not applicable

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases:

Danger of toxic gases in smoke in case of fire

Special protective equipment for firefighters:

Use personal protective equipment. Self-contained breathing apparatus and suitable protective clothing.

Specific methods:

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Avoid contact with skin. Use personal protective equipment.

Environmental precautions:

Do not contaminate water. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

Methods for cleaning up:

Soak up with inert absorbent material. Take up mechanically and collect in suitable container for disposal.

7. HANDLING AND STORAGE

Handling:

Technical measures/precautions: Ensure adequate ventilation.

Safe handling advice:

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin.. When using, do not eat, drink or smoke. Wash hands and exposed skin after use / handling.

Storage:**Technical measures/storage conditions:**

Store in original container. Keep container tightly closed. Keep out of reach of children. Protect from extreme temperatures.

Incompatible products:

No information available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:

Personal protective equipment is not normally required - gloves can be worn for personal hygiene. In case of accidental spillage of bulk product, wear personal protective equipment appropriate to the task (see below)

Occupational exposure controls**Personal protective equipment****Respiratory protection:**

Respirator with FFP3 filter.

Hand protection:

Chemical resistant gloves.

Eye/face protection

Safety glasses with side shields or goggles.

Skin and body protection:

Lightweight protective clothing.

Hygiene measures

General industrial hygiene practice.

Exposure limit values**Environmental exposure controls**

There are no Occupational Exposure Limits available.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information**Physical State:**

Liquid

Color:

Off-white

Odor:

Sweet

Important Health Safety and Environmental Information**Density:**

1.141

Other information**pH:**

5.03 (1 % solution in water.)

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.
Conditions to avoid:	No information available
Materials to avoid:	No information available
Hazardous decomposition products:	No decomposition if stored normally

11. TOXICOLOGICAL INFORMATION

Component information

Glyphosate

LD50/oral/rat =	>2000mg/kg
LD50/dermal/rat =	>2000mg/kg

Diflufenican

LD50/oral/rat =	> 2000 mg/kg
LD50/dermal/rat =	> 2000 mg/kg
LC50/inhalation/4h/rat =	> 2,34 mg/l

Product information

Local effects

Skin effects:	No information available.
Eye effects:	No information available.
Inhalation:	No information available.
Ingestion:	No information available.

12. ECOLOGICAL INFORMATION

Product information

Aquatic toxicity:	Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
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Component information

Glyphosate

Ecotoxicity effects	EC50/algae/128h = 0.64mg/l EC50/fish = 38mg/l
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Diflufenican

Ecotoxicity effects

EC50/48h/daphnia = >0.24mg/l
 LC50/96h/Fish (C.carpio) = >0.0985mg/l
 EC50/72h/algae = 0.00025mg/l

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Do not contaminate ponds, waterways or ditches with chemical or used container. Do not empty into drains. Dispose of empty container in the dustbin. Dispose of unused product in its container at a household waste site (civic amenity site). Contact your local council (local authority) for details..

Contaminated packaging: Do not re-use container for any other purpose and dispose of safely .

14. TRANSPORT INFORMATION**Product information**

Physical State: Liquid

ADR/RID

UN-No: 3082
Proper shipping name: Environmentally Hazardous Substance Liquid
 N.O.S.(Diflufenican, Glyphosate)
Hazard Class: 9
Packing group: III

IATA

UN-No: 3082
Proper shipping name: Environmentally Hazardous Substance Liquid
 N.O.S.(Diflufenican, Glyphosate)
Hazard Class: 9
Packing group: III

IMO / IMDG

UN-No: 3082
Proper shipping name: Environmentally Hazardous Substance Liquid
 N.O.S.(Diflufenican, Glyphosate)
Hazard Class: 9
Packing group: III

15. REGULATORY INFORMATION**Indication of danger:**

N - Dangerous for the environment.

To avoid risks to man and the environment, comply with the instructions for use.

15. REGULATORY INFORMATION



R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S -phrase(s)

S 2 - Keep out of the reach of children.

S29 - Do not empty into drains.

Keep off skin. Do not contaminate water with the product or its container. Dispose of empty container in the dustbin

Dispose of unused product in its container at a household waste site (civic amenity site). Contact your local council (local authority) for details.

Registration number UK/Eire

MAPP 14143

16. OTHER INFORMATION

Text of R Phrases mentioned in Section 3

R22 - Harmful if swallowed.

R38 - Irritating to skin.

R41 - Risk of serious damage to eyes.

R43 - May cause sensitization by skin contact.

R50 - Very toxic to aquatic organisms.

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Reason for revision:

*** Indicates changes since the last revision. This version replaces all previous versions

Prepared by:

Regulatory Affairs Department.

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End of Safety Data Sheet