



Material Safety Data Sheet

According to EC Regulation 1907/2006

Print date: 11-Feb-2011

Revision Number: 1

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

Identification of the substance or preparation

MSDS Ref. No.: SCSDS277
Product name: Verdone Extra

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

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
MCPA (ISO)	94-74-6	5 - 10%	607-051-00-3	Xi;R38-41 Xn;R22
Fluroxypyr	81406-37-3	1 - 5%	279-752-9	N;R50/53
Clopyralid	1702-17-6	< 1%	NE	N;R51/53 Xi;R41

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:	If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting.
Inhalation:	Move person to fresh air. If symptoms persist, call a physician.
Skin contact:	Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. If skin irritation persists, 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:

Carbon dioxide (CO₂). Water spray mist or foam. Powder.

Unsuitable extinguishing media:

High volume water jet

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

Thermal decomposition can lead to release of irritating gases and vapours.

Special protective equipment for firefighters:

Use personal protective equipment. In the event of fire, wear self-contained breathing apparatus.

Specific methods:

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Use personal protective equipment.

Environmental precautions:

Do not contaminate water. Prevent product from entering drains. If spillage enters drains inform local water company immediately..

Methods for cleaning up:

Soak up with inert absorbent material. Shovel into 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. When using do not eat or drink. Do not smoke.

Storage:

Technical measures/storage conditions: Store in original container. Keep tightly closed in a dry and cool place. Keep out of reach of children. Keep away from food, drink and animal feeding stuffs. Protect from extreme temperatures.

Incompatible products: None known

Specific use(s): Weedkiller.

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:	Suitable respiratory equipment:.
Hand protection:	Protective gloves. Nitrile rubber.
Eye/face protection	Safety glasses with side-shields.
Skin and body protection:	Lightweight protective clothing.
Hygiene measures	When using, do not eat, drink or smoke. Wash hands before stopping and immediately after handling.

Exposure limit values*Fluroxypyr*

UK EH40 WEL: 10mg/m³ (supplier recommendation)

Clopyralid

UK EH40 WEL: 10mg/m³ (supplier recommendation)

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Physical State:	Liquid
Color:	Brown
Odor:	No information available

Important Health Safety and Environmental Information

Solubility:	Miscible
Flammability (solid, gas):	Non-flammable

Other information

pH: 7.29
Specific gravity: 1.027

10. STABILITY AND REACTIVITY

Stability: Stable at normal conditions
Conditions to avoid: Extremes of temperature and direct sunlight.
Materials to avoid: Strong oxidising agents. Strong acids and strong bases.
Hazardous decomposition products: Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION**Component information**

MCPA (ISO)
LD50/oral/rat = 900 - 1160mg/kg

Fluroxypyr
LD50/oral/rat = > 5000 mg/kg

Product information

LD50/dermal/rat = >2000mg/kg Estimated, based on a similar formulation
LD50/oral/rat = >2000mg/kg Estimated, based on a similar formulation

Local effects

Skin effects: May cause skin irritation in susceptible persons.
Eye effects: May cause eye irritation with susceptible persons.
Inhalation: No information available.
Ingestion: No information available.

12. ECOLOGICAL INFORMATION**Product information**

Aquatic toxicity:
Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Component information

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.(Fluroxypyr 10.7g/l)
Hazard Class: 9
Packing group: III

IATA

UN-No: 3082
Proper shipping name: Environmentally Hazardous Substance Liquid
 N.O.S.(Fluroxypyr 10.7g/l)
Hazard Class: 9
Packing group: III

IMO / IMDG

UN-No: 3082
Proper shipping name: Environmentally Hazardous Substance Liquid
 N.O.S.(Fluroxypyr 10.7g/l)
Hazard Class: 9
Packing group: III
EmS: F-A / S-F

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

N



R51/53 - 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.

Do not contaminate water with the product or its container.

Registration number UK/Eire

MAPP 14977 (previously MAPP 13113)

PCS No: 04208

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.

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

R51/53 - Toxic 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