



Safety Data Sheet

According to EC Directive 2001/58/EC

Print date: 18-Mar-2005

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.: SCSDS416
Product name: Greenmaster Pro-Lite Extra
14-2-4

Use of the Substance/Preparation

Recommended use: For use only as a horticultural turf treatment.

Company/Undertaking Identification
Emergency telephone number: ++44 (0) 1865 407333
Scotts UK Professional, Paper Mill Lane, Bramford, Ipswich, Suffolk IP8 4BZ United Kingdom

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature of the preparation

Components	CAS-No	Weight %	EC-No.	Classification
Sand	14808-60-7	> 25%	238-878-4	NE
MCPA (salts & esters of)	607-052-009	< 1%	USA37	Xn: R20/21/22
Mecoprop-P (esters of)	607-423-005	< 1%	USA36	Xn: R22, R43 N:R50-53

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

3. HAZARDS IDENTIFICATION

Classification

In accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations [CHIP 3], the product is not classified.

Most important hazards

Harmful to aquatic organisms.

4. FIRST AID MEASURES

General advice: Contains mecoprop-p (iso-octyl-ester). May produce an allergic reaction.

Ingestion:	Rinse mouth. Do not induce vomiting. If symptoms persist, call a physician.
Inhalation:	Move person 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:

Water spray mist or foam, Dry powder, Carbon dioxide (CO2).

Unsuitable extinguishing media:

High volume water jet

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

Thermal decomposition can lead to release of irritating gases and vapors

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 allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.

Methods for cleaning up:

Avoid dust formation. Sweep up and shovel into suitable containers 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. Wash hands and exposed skin after use / handling..

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

Store in original container. Keep tightly closed in a dry and cool place. Protect from extremes of temperature.

Incompatible products:

None known.

Specific use(s): No information available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure: Ensure adequate ventilation.

Occupational exposure controls

Personal protective equipment

Respiratory protection:	Effective dust mask
Hand protection:	Protective gloves. Nitrile rubber.
Eye/face protection:	Face-shield.
Skin protection:	Lightweight protective clothing, Rubber boots.
Hygiene measures	When using, do not eat, drink or smoke. Wash hands before stopping and immediately after handling.. Remove and wash contaminated clothing before re-use.

Exposure limit values

Sand

UK EH40 MEL (TWA):	LTEL (8 Hr) 6 mg/m ³ (total inhalable dust) STEL (15 min) 2.4 mg/m ³ (total respirable dust)
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MCPA (salts & esters of)

UK EH40 MEL (TWA):	LTEL (8hr TWA) 14mg/m ³ (supplier data) STEL (15 min) 28mg/m ³ (supplier data)
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Mecoprop-P (esters of)

UK EH40 MEL (TWA):	LTEL (8 hr TWA) 15mg/m ³ (supplier data) STEL (15 Min) 30mg/m ³ (supplier data)
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9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Physical State:	Granules
Color:	Grey
Odor:	Slight

Important Health Safety and Environmental Information

pH:	4 - 6 (1% solution)
Solubility:	Partly soluble

Other information

Specific gravity:	900g/l
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10. STABILITY AND REACTIVITY

Stability:	Stable at normal conditions
Conditions to avoid:	Extremes of temperature and direct sunlight..
Materials to avoid:	Contact with alkali.
Hazardous decomposition products:	Ammonia

11. TOXICOLOGICAL INFORMATION

Component information

<i>MCPA (salts & esters of)</i>	
LD50/oral/rat =	900 - 1160mg/kg
LD50/dermal/rat =	>4000mg/kg
LC50/inhalation/4h/rat =	>6.36mg/l

<i>Mecoprop-P (esters of)</i>	
LD50/oral/rat =	1050mg/kg
LD50/dermal/rat =	>4000mg/kg
LC50/inhalation/4h/rat =	>5.6mg/l

Product information

Local effects

Skin effects:	Non-irritating to the skin.
Eye effects:	Not irritating.
Inhalation:	No information available.
Ingestion:	No information available.

12. ECOLOGICAL INFORMATION

Product information

Component information

<i>Sand</i>	
Ecotoxicity:	No information available
<i>MCPA (salts & esters of)</i>	
Ecotoxicity:	LC50/96h/rainbow trout =232mg/l

*Mecoprop-P (esters of)***Ecotoxicity:** LC50/96h/rainbow trout =150 - 220mg/l**Additional ecological information:**Harmful to fish. Harmful to aquatic organisms

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Do not contaminate ponds, waterways or ditches with chemical or used container..
Dispose of in accordance with local regulations.**Contaminated packaging:** Do not re-use empty containers Dispose of as unused product. In accordance with
local and national regulations.

14. TRANSPORT INFORMATION

Product information**Physical State:** Granules**ADR/RID****UN-No:** Not classified for transport**IATA****UN-No:** Not classified for transport**IMO / IMDG****UN-No:** Not classified for transport

15. REGULATORY INFORMATION

Indication of danger:

In accordance with the Chemicals (Hazards Information and Packaging for Supply) Regulations (CHIP 3), the product is not classified.

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

Labelling

Contains Mecoprop-P (iso-octyl ester). May produce an allergic reaction

R -phrase(s)

R52 - Harmful to aquatic organisms.

Do not contaminate ponds, waterways or ditches with chemical or used container. Wash hands and exposed skin after use. Keep in original container, tightly closed in a safe place. Empty container thoroughly and dispose of safely.

International Inventories

Components	EC-No.	EU - NLPL:	PICCS:	ENCS:	DSL:	TSCA:	CHINA:	AICS:
<i>Sand</i>	238-878-4							
<i>MCPA (salts & esters of)</i>	USA37							
<i>Mecoprop-P (esters of)</i>	USA36							

Registration number UK/Eire

MAPP 11563

16. OTHER INFORMATION

Text of R Phrases mentioned in Section 2

R22 - Harmful if swallowed.

R43 - May cause sensitization by skin contact.

R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.

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

Reason for revision:

None

Prepared by:

Regulatory Affairs Department.

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End of Safety Data Sheet