



SAFETY DATA SHEET

According to EC Directive 2001/58/EC

Print date: 15-Aug-2005

Revision Number: 0

Revision date: (invalid date)

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

Identification of the substance or preparation

MSDS Ref. No.: SCSDS431
Product name: Renovator Pro

Use of the Substance/Preparation

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

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

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature of the preparation

Components	CAS-No	Weight %	EC-No.	Classification
Sand	14808-60-7	10 - 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
Iron sulphate, FeSO ₄ +7H ₂ O	7782-63-0	10 - 25%	231-753-5	Xn;R22

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

3. HAZARDS IDENTIFICATION

Classification

The product has been classified according to the Chemicals (Hazard Information and Packaging for Supply) Regulations [CHIP 3].

Most important hazards

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

4. FIRST AID MEASURES

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General advice:	Contains mecoprop-P (iso-octyl ester). May produce an allergic reaction.
Ingestion:	If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting.
Inhalation:	Move 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:

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

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:

Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling:**Technical measures/precautions:**

Avoid dust formation. Ensure adequate ventilation.

Safe handling advice:

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

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

Store in original container. Keep tightly closed in a dry and cool place.

Incompatible products:	No information available
Specific use(s):	No information available
Verband der Chemischen Industrie (VCI):	Exempt
Risk classification according to VbF (Germany)	Exempt

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure: Ensure adequate ventilation.

Occupational exposure controls

Personal protective equipment

Respiratory protection:	Wear respirator with dust filter.
Hand protection:	Protective gloves. Nitrile rubber.
Eye/face protection:	Face-shield.
Skin and body protection:	Wear suitable protective clothing.
Hygiene measures	Wash hands before stopping and immediately after handling.. When using, do not eat, drink or smoke.

Exposure limit values

Sand

Austria - MAKs	4 mg/m ³ MAK
Belgium - 8 Hr VLE	0.1 mg/m ³ VLE
Finland - Occupational Exposure Limits - 8 hour	0.2 mg/m ³ TWA
France INRS (VME)	0.1 mg/m ³ VME
Germany TRGS900:	0.15 mg/m ³ TWA
Netherlands - OEL - MACs:	0.075 mg/m ³ MAC
Norway - 8 Hr:	0.1 mg/m ³ OEL 0.3 mg/m ³ OEL
Portugal - TWAs	0.05 mg/m ³ TWA
Spain - Valores Limite Ambientales - VLE	0.1 mg/m ³ VLA-ED
Sweden - OEL - 8 Hour	0.1 mg/m ³ LLV
UK EH40 WEL:	LTEL (8 Hr) 6 mg/m ³ (total inhalable dust) STEL (15 min) 2.4 mg/m ³ (total respirable dust)

MCPA (salts & esters of)

UK EH40 WEL:	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 WEL:	LTEL (8 hr TWA) 15mg/m ³ (supplier data) STEL (15 Min) 30mg/m ³ (supplier data)
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Iron sulphate, FeSO4+7H2O

Belgium - 8 Hr VLE	1 mg/m ³
Finland - Occupational Exposure Limits - 8 hour	1 mg/m ³
Netherlands - OEL - MACs:	1 mg/m ³
Norway - 8 Hr:	1 mg/m ³
Portugal - TWAs	1 mg/m ³ TWA
Spain - Valores Limite Ambientales - VLE	1 mg/m ³ VLA-ED
UK EH40 WEL:	1 mg/m ³

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Physical State: Granules
Color: Beige
Odor: slightly, aromatic

Important Health Safety and Environmental Information

pH: 3 - 5 (1 % solution in water.)
Flammability (solid, gas): Non-flammable
Solubility: Partly soluble

Other information

Specific gravity: 750g/l

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.
Conditions to avoid: No information available
Materials to avoid: Contact with alkali.
Hazardous decomposition products: Ammonia.

11. TOXICOLOGICAL INFORMATION

Component information

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

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

Product information

Local effects

Skin effects: May cause skin irritation in susceptible persons
Eye effects: No information available.

Inhalation: No information available.

Ingestion: No information available.

12. ECOLOGICAL INFORMATION

Product information

Aquatic toxicity:

Harmful to aquatic organisms May cause long-term adverse effects in the aquatic environment.

Component information

MCPA (salts & esters of)

Ecotoxicity effects LC50/96h/rainbow trout =232mg/l

Mecoprop-P (esters of)

Ecotoxicity effects LC50/96h/rainbow trout =150 - 220mg/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 in accordance with local regulations and national regulations.

Contaminated packaging: Do not re-use empty containers

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:

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

Risk Combination Phrases

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

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

Registration number UK/Eire

MAPP: 12204 PCS No: 02512

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