



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.: SCSDS417
Product name: Greenmaster Pro-Lite Invigorator
4-0-8

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	> 25%	238-878-4	NE
Magnesite	546-93-0	1 - 5%	208-915-9	NE
Ironsulphate, FeSO ₄ +1H ₂ O	7720-78-7	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 is non-dangerous in accordance with Directive 1999/45/EC

Most important hazards

None

4. FIRST AID MEASURES

General advice: If you feel unwell, seek medical advice (show the label where possible).

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.

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 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:

Prevent product from entering drains. 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:**

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.

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:	Safety glasses with side-shields.
Skin protection:	Lightweight protective clothing.
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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Ironsulphate, FeSO₄·1H₂O

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:	0.01 mg/m ³
UK EH40 MEL (TWA):	LTEL (8 hr TWA) 1 mg/m ³ STEL (15 min) 2mg/m ³

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Physical State:	Granules
Color:	Grey, Brown
Odor:	Slight, Metallic

Important Health Safety and Environmental Information

pH: 5 - 7 (1% solution)

Other information

10. STABILITY AND REACTIVITY

Stability: Stable at normal conditions

Conditions to avoid:	None known.
Materials to avoid:	None known.
Hazardous decomposition products:	Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION

Component information

Ironsulphate, FeSO₄+1H₂O
LD50/oral/rat = 750 mg/kg

Product information

Local effects

Skin effects:	Non-irritating to the skin.
Eye effects:	Not irritating.
Inhalation:	Not irritating.
Ingestion:	Not irritating.

12. ECOLOGICAL INFORMATION

Product information

Component information

Sand
Ecotoxicity: No information available

Magnesite
Ecotoxicity: No information available

Ironsulphate, FeSO₄+1H₂O
Ecotoxicity: EC50/48h/daphnia => 100 mg/l
LC50/96h/rainbow trout =>72.5 mg/l (6d)
EC50/72h/algae = 22 mg/l

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:

None.

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

International Inventories

Components	EC-No.	EU - NLPL:	PICCS:	ENCS:	DSL:	TSCA:	CHINA:	AICS:
<i>Sand</i>	238-878-4							
<i>Magnesite</i>	208-915-9							
<i>Ironsulphate, FeSO₄+1H₂O</i>	231-753-5				Present	XU		

Registration number UK/Eire

Not applicable

16. OTHER INFORMATION**Text of R Phrases mentioned in Section 2**

None

Reason for revision:

None

Prepared by:

Regulatory Affairs Department.

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End of Safety Data Sheet