



Material Safety Data Sheet

According to EC Regulation 1907/2006

Print date: 25-Sep-2008***

Revision Number: 1

Revision date: 20-Feb-2008

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

Identification of the substance or preparation

MSDS Ref. No.: 5210.01.01
Product name: Greenmaster Pro-Lite Invigorator

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 (24h)

Email: INFO-MSDS@Scotts.com

2. HAZARDS IDENTIFICATION

Classification

The product is non-dangerous in accordance with Directive 1999/45/EC

Most important hazards

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature of the preparation

Components	CAS-No	Weight %	EC-No.	Classification
Iron sulphate, FeSO ₄ +1H ₂ O	7720-78-7	10 - 25%	231-753-5	Xn;R22
Talc	14807-96-6	1 - 5%	N.E.	NE
Magnesite, Mg(CO ₃) ₂	546-93-0	1 - 5%	208-915-9	NE
Sand	14808-60-7	10 - 25%	238-878-4	NE

NE = Non-Established

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

4. FIRST AID MEASURES

General advice:	In the case of accident or if you feel unwell, seek medical advice immediately (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. Remove and wash contaminated clothing before re-use. 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:

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 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. Keep away from food, drink and animal feeding stuffs. Protect from extreme temperatures.
Incompatible products:	No information available
Specific use(s):	Fertilizer.

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) ***
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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 and body protection:	Lightweight protective clothing. Rubber or plastic 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

Iron sulphate, 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 h:	0.01 mg/m ³
Portugal - TWAs	1 mg/m ³ TWA***
Spain - Valores Limite Ambientales - VLE	1 mg/m ³ VLA-ED***
UK EH40 WEL:	LTEL (8 hr TWA) 1 mg/m ³ STEL (15 min) 2mg/m ³

Talc

Belgium - 8 Hr VLE	2 mg/m ³ TWA***
Czech Republic OEL	= 10 mg/m ³ TWA = 2.0 mg/m ³ TWA***
Finland - Occupational Exposure Limits - 8 hour	0.5 fibers/cm ³ TWA 5 mg/m ³ TWA***
Germany TRGS900:	2 A mg/m ³
Netherlands - OEL - MACs:	0.25 mg/m ³ TWA***
Portugal - TWAs	2 mg/m ³ TWA***
Spain - Valores Limite Ambientales - VLE	2 mg/m ³ VLA-ED***

Sweden - OEL - 8 Hour

1 mg/m³ LLV
2 mg/m³ LLV***
1 mg/m³ TWA

UK EH40 WEL:

Magnesite, Mg(CO₃)₂

Belgium - 8 Hr VLE

10 mg/m³ TWA***

France INRS (VME)

10 mg/m³ VME***

Spain - Valores Limite Ambientales - VLE

10 mg/m³ VLA-ED***

UK EH40 WEL:

LTEL (8hr TWA) 10mg/m³*Sand*

Belgium - 8 Hr VLE

0.1 mg/m³ TWA***

Finland - Occupational Exposure Limits - 8 hour

0.5 mg/m³ TWA***

France INRS (VME)

0.1 mg/m³ VME***

Netherlands - OEL - MACs:

0.075 mg/m³ TWA***

Norway - 8 h:

0.1 mg/m³ TWA0.3 mg/m³ TWA***

Portugal - TWAs

0.025 mg/m³ TWA***

Spain - Valores Limite Ambientales - VLE

0.1 mg/m³ VLA-ED***

Sweden - OEL - 8 Hour

0.1 mg/m³ LLV***

UK EH40 WEL:

LTEL (8 Hr) 6 mg/m³ (total inhalable dust)STEL (15 min) 2.4 mg/m³ (total respirable dust)

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information**Physical State:**

Solid***

Color:

Light grey, Beige

Odor:

No information available

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

Partly soluble

Other information

10. STABILITY AND REACTIVITY

Stability:

Stable at normal conditions

Conditions to avoid:

None known.

Materials to avoid:

None known.

Hazardous decomposition products:

No decomposition if stored normally.

11. TOXICOLOGICAL INFORMATION

Component information

Iron sulphate, FeSO4+1H2O

LD50/oral/rat = 1389 mg/kg

Sand

LD50/oral/rat = N.A.

Product information

Local effects

Skin effects: No information available.

Eye effects: Contact with eyes may cause irritation.

Inhalation: No information available.

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

12. ECOLOGICAL INFORMATION

Product information

Component information

Iron sulphate, FeSO4+1H2O

Ecotoxicity effects

EC50/48h/daphnia = >100mg/l
LC50/96h/rainbow trout = >72.5mg/l (6d)
EC50/72h/algae = 22mg/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 and national 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: Solid***

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.

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

16. OTHER INFORMATION**Text of R Phrases mentioned in Section 3**

R22 - Harmful if swallowed.

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