



# Material Safety Data Sheet

According to EC Directive 1907/2006

Print date: 21-May-2008

Revision Number: 0

Revision date:

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

### Identification of the substance or preparation

MSDS Ref. No.: SCSDS404  
Product name: Greenmaster Pro Iron

### 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

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

### Most important hazards

None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Chemical nature of the preparation

Components	CAS-No	Weight %	EC-No.	Classification
Iron sulphate, FeSO <sub>4</sub> +1H <sub>2</sub> O	7720-78-7	10 - 25%	231-753-5	Xn;R22
Magnesite, Mg(CO <sub>3</sub> ) <sub>2</sub>	546-93-0	1 - 5%	208-915-9	NE
Sand	14808-60-7	> 25%	238-878-4	NE
Clay	1332-58-7	1 - 5%	3101276	NE

NE = Non-Established

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

#### 4. FIRST AID MEASURES

<b>General advice:</b>	If you feel unwell, seek medical advice (show the label where possible).
<b>Ingestion:</b>	Rinse mouth. Do not induce vomiting. If symptoms persist, call a physician.
<b>Inhalation:</b>	Move person to fresh air. If symptoms persist, call a physician.
<b>Skin contact:</b>	Remove and wash contaminated clothing before re-use.
<b>Eye contact:</b>	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 (CO<sub>2</sub>). Water spray mist or foam. Dry chemical. sand.

**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:**

Sweep up and shovel into suitable containers for disposal.

#### 7. HANDLING AND STORAGE

**Handling:**

**Technical measures/precautions:** Ensure adequate ventilation.

<b>Safe handling advice:</b>	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands and exposed skin after use / handling.
<b>Storage:</b>	
<b>Technical measures/storage conditions:</b>	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.
<b>Incompatible products:</b>	None known
<b>Specific use(s):</b>	Turf treatment.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures to reduce exposure:** Ensure adequate ventilation.

### Occupational exposure controls

#### Personal protective equipment

<b>Respiratory protection:</b>	Effective dust mask.
<b>Hand protection:</b>	Protective gloves. Nitrile rubber.
<b>Eye/face protection</b>	Safety glasses with side-shields.
<b>Skin and body protection:</b>	Wear suitable protective clothing.
<b>Hygiene measures</b>	When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Wash hands before stopping and immediately after handling.

### Exposure limit values

#### *Iron sulphate, FeSO<sub>4</sub>+1H<sub>2</sub>O*

Belgium - 8 Hr VLE	1 mg/m <sup>3</sup>
Finland - Occupational Exposure Limits - 8 hour	1 mg/m <sup>3</sup>
Netherlands - OEL - MACs:	1 mg/m <sup>3</sup>
Norway - 8 h:	0.01 mg/m <sup>3</sup>
UK EH40 WEL:	LTEL (8 hr TWA) 1 mg/m <sup>3</sup> STEL (15 min) 2mg/m <sup>3</sup>

#### *Magnesite, Mg(CO<sub>3</sub>)<sub>2</sub>*

Belgium - 8 Hr VLE	10 mg/m <sup>3</sup> TWA
France INRS (VME)	10 mg/m <sup>3</sup> VME
Netherlands - OEL - MACs:	10 mg/m <sup>3</sup> MAC
Spain - Valores Limite Ambientales - VLE	10 mg/m <sup>3</sup> VLA-ED
UK EH40 WEL:	LTEL (8hr TWA) 10mg/m <sup>3</sup>

#### *Sand*

Belgium - 8 Hr VLE	0.1 mg/m <sup>3</sup> TWA
Finland - Occupational Exposure Limits - 8 hour	0.2 mg/m <sup>3</sup> TWA
	0.5 mg/m <sup>3</sup> TWA
France INRS (VME)	0.1 mg/m <sup>3</sup> VME
Netherlands - OEL - MACs:	0.075 mg/m <sup>3</sup> MAC

Norway - 8 h:	0.1 mg/m <sup>3</sup> TWA 0.3 mg/m <sup>3</sup> TWA
Portugal - TWAs	0.025 mg/m <sup>3</sup> TWA
Spain - Valores Limite Ambientales - VLE	0.1 mg/m <sup>3</sup> VLA-ED
Sweden - OEL - 8 Hour	0.1 mg/m <sup>3</sup> LLV
UK EH40 WEL:	LTEL (8 Hr) 6 mg/m <sup>3</sup> (total inhalable dust) STEL (15 min) 2.4 mg/m <sup>3</sup> (total respirable dust)

*Clay*

Belgium - 8 Hr VLE	2 mg/m <sup>3</sup> TWA
France INRS (VME)	10 mg/m <sup>3</sup> VME
Netherlands - OEL - MACs:	10 mg/m <sup>3</sup> MAC
Portugal - TWAs	2 mg/m <sup>3</sup> TWA
Spain - Valores Limite Ambientales - VLE	2 mg/m <sup>3</sup> VLA-ED
UK EH40 WEL:	10 mg/m <sup>3</sup>

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**General Information**

<b>Physical State:</b>	Solid
<b>Color:</b>	Grey
<b>Odor:</b>	No information available

**Important Health Safety and Environmental Information**

<b>Flammability (solid, gas):</b>	Non-flammable
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**Other information**

<b>pH:</b>	3-5 (1% solution)
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## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under recommended storage conditions.
<b>Conditions to avoid:</b>	None known.
<b>Materials to avoid:</b>	None known.
<b>Hazardous decomposition products:</b>	Thermal decomposition can lead to release of irritating gases and vapours.

## 11. TOXICOLOGICAL INFORMATION

**Component information**

*Iron sulphate, FeSO<sub>4</sub>+1H<sub>2</sub>O*  
**LD50/oral/rat =** 1389 mg/kg

*Sand*

LD50/oral/rat = N.A.

Clay  
LC50/inhalation/4h/rat = >5.6mg/l air

### 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

**Aquatic toxicity:** No information available.

### Component information

*Iron sulphate, FeSO<sub>4</sub>+1H<sub>2</sub>O*

**Ecotoxicity effects**  
EC50/48h/daphnia = >100mg/l  
LC50/96h/rainbow trout = >72.5mg/l (6d)  
EC50/72h/algae = 22mg/l

Clay  
**Ecotoxicity effects** No information available

## 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 container for any other purpose and dispose of safely. .

## 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

<b>15. REGULATORY INFORMATION</b>
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**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.

**Registration number UK/Eire**

Not applicable

<b>16. OTHER INFORMATION</b>
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**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**