



Safety Data Sheet

According to EC Directive 2001/58/EC

Print date: 25-Feb-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.: SCSDS407
Product name: Sierrasol 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

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature of the preparation

Components	CAS-No	Weight %	EC-No.	Classification
Ironsulphate	7720-78-7	> 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

Harmful

Most important hazards

Harmful if swallowed.

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: If swallowed, seek medical advice immediately and show this container or label.

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 thoroughly with plenty of water for at least 15 minutes and consult a physician.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Carbon dioxide (CO₂), Dry powder, Water spray.

Extinguishing media which must not be used for safety reasons:

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.

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:** Take up mechanically and collect in suitable container for disposal. Avoid dust formation.

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. When using do not eat or drink. When using do not smoke. Wash off splashes (immediately).. Wash hands and exposed skin after use / handling..

Storage:

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from food, drink and animal feeding stuffs.

Incompatible products:

Do not store together with alkalis (caustic solutions).

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:	Half mask with a particle filter p2 (bs en 143)
Hand protection:	Wear suitable gloves.
Eye protection:	Safety glasses with side-shields.
Skin and body protection:	Wear suitable protective clothing.
Hygiene measures	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

Ironsulphate

UK EH40 MEL (TWA):

STEL 1 mg/m³ Iron salts (as Fe)

LTEL 2 mg/m³ Iron salts (as Fe)

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Appearance:	crystalline powder
Color:	Light green
Odor:	Slight

Important Health Safety and Environmental Information

pH:	2 (1 % solution in water.)
Boiling point/range:	Not determined
Density:	1.9g/cm ³

Other information

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.
Conditions to avoid:	None known
Materials to avoid:	No information available.
Hazardous decomposition products:	No decomposition if stored normally

11. TOXICOLOGICAL INFORMATION

Component information

Ironsulphate

LD50/oral/rat =

1480mg/kg

Product information**Local effects**

Skin irritation:	May cause skin irritation in susceptible persons.
Eye irritation:	May cause eye irritation with susceptible persons.
Inhalation	No information available.
Ingestion	Harmful if swallowed.
Sensitization:	No sensitization.

12. ECOLOGICAL INFORMATION**Product information**

Aquatic toxicity: No information available

Component information

Ironsulphate

Ecotoxicity: No information available

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:	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: 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:

Xn - Harmful.

Xn

**R -phrase(s)**

R22 - Harmful if swallowed.

S -phrase(s)

S 2 - Keep out of the reach of children.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S46 - If swallowed, seek medical advice immediately and show this container or label.

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

International Inventories

Components	EC-No.	EU - NLPL:	PICCS:	ENCS:	DSL:	TSCA:	CHINA:	AICS:
<i>Ironsulphate</i>	231-753-5				Present	XU		

Registration number UK/Eire

Not applicable

16. OTHER INFORMATION

Text of R Phrases mentioned in Section 2**Reason for revision:**

None

Prepared by:

Regulatory Affairs Department.

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End of Safety Data Sheet