



Material Safety Data Sheet

According to EC Regulation 1907/2006

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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.: 5224.01.25
Product name: Greenmaster Cold Start

Use of the Substance/Preparation

Recommended use: Fertilizer.

Company/Undertaking Identification

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2. HAZARDS IDENTIFICATION

Classification

Indication of danger:

The product is classified and labelled in accordance with Directive 1999/45/EC.

Xi



Most important hazards

R -phrase(s)

R41 - Risk of serious damage to eyes

S -phrase(s)

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

S39 - Wear eye/face protection.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature of the preparation

Ingredients	CAS-No	Weight %	EC-No.	Classification
Iron sulphate, FeSO ₄ +1H ₂ O	7720-78-7	> 25%	231-753-5	Xn;R22 R36/38
Single Superphosphate, SSP	8011-76-5	10 - 25%	232-379-5	Xi;R41

NE = Non-Established

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

4. FIRST AID MEASURES

General advice:	If you feel unwell, seek medical advice (show the label where possible).
Ingestion:	If swallowed, seek medical advice immediately and show this container or label.
Inhalation:	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.
Notes to physician:	Artificial respiration and/or oxygen may be necessary

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:

Danger of toxic gases in smoke in case of fire

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. Protect from extreme temperatures.

Incompatible products:

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

Tightly fitting safety goggles.

Skin and body 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*Iron sulphate, FeSO₄+1H₂O***ACGIH:**

1 mg/m³ TWA

Australia TWA

1 mg/m³ TWA

Belgium - 8 Hr VLE

1 mg/m³

Finland - Occupational Exposure Limits - 8 hour

1 mg/m³

Netherlands - OEL - MACs:

1 mg/m³

Norway - 8 h:

0.01 mg/m³

Portugal - TWAs

1 mg/m³ TWA

Spain - Valores Limite Ambientales - VLE

1 mg/m³ VLA-ED

UK EH40 WEL:

LTEL (8 hr TWA) 1 mg/m³

STEL (15 min) 2mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

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Physical State:	Solid
Color:	Grey, Brown
Odor:	No information available

Important Health Safety and Environmental Information

Boiling point/range:	Not applicable
Melting point/range:	Not applicable
Solubility:	Partly soluble
Vapour pressure	Not applicable
Vapour density	Not applicable
Explosive properties:	Doesn't present explosion hazard
Flammability (solid, gas):	Non-flammable

Other information

pH:	No information available
Bulk density:	+/- 1000 kg/m ³

10. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	None known.
Hazardous decomposition products	No decomposition if stored normally
Hazardous reactions	None reasonably foreseeable

11. TOXICOLOGICAL INFORMATION

Component information

<i>Iron sulphate, FeSO₄+1H₂O</i>	
LD50/oral/rat =	1389 mg/kg

Product information

Local effects

Skin effects:	May cause skin irritation in susceptible persons
Eye effects:	Risk of serious damage to eyes.
Inhalation:	May cause sensitization by inhalation
Ingestion:	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

12. ECOLOGICAL INFORMATION

Product information

Aquatic toxicity:	Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.
Ecotoxicity	No ecological information is known on the product
Persistence and degradability	No persistent or cumulative effects were observed
Bioaccumulative potential	Does not bioaccumulate
Mobility in soil	No information available

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
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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:	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:

The product is classified and labelled in accordance with Directive 1999/45/EC.

15. REGULATORY INFORMATION

In accordance with local and national regulations

ICPE (FR): Not applicable

GefStoffV (DE): Not applicable

16. OTHER INFORMATION

Text of R Phrases mentioned in Section 3

R22 - Harmful if swallowed.

R41 - Risk of serious damage to eyes.

R36/38 - Irritating to eyes and skin.

Reason for revision: *** Indicates changes since the last revision. This version replaces all previous versions

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Prepared by: Regulatory Affairs Department.

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End of Safety Data Sheet