

SAFETY DATA SHEET



Product Name: **GREENMASTER ZERO PHOSPHATE** Reference No: 024

Version No. 2 Revision date: July 2002 Date of Introduction: Sept. 1989

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Name GREENMASTER ZERO PHOSPHATE
Common name of active ingredient Fertiliser salts
Intended use For use only as a Horticultural Turf Fertiliser
Company Identification **Scotts UK Professional**
Paper Mill Lane
Bramford
Ipswich IP8 4BZ Telephone **+44 (0) 1473 830492**
Emergency Telephone **01865 407333 (24hr)**

2. COMPOSITION / INFORMATION ON INGREDIENTS

JBA No: 020132
NPK: 14-0-7

Chemical Characterisation PREPARATION OF SALTS AND AMORPHOUS SILICA

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
FERROUS SULPHATE	7720-78-7	231-753-5	Xn: R22	5-10%

3. HAZARDS IDENTIFICATION

Physicochemical: NOT CLASSIFIED.
Health: NOT CLASSIFIED.
General This product is not classified and unlikely to be hazardous under normal conditions of use. The preparation contains substances that have an Occupational Exposure Limit (OEL).
Ingestion Very low hazard – unlikely to cause a problem.
Eye contact Possible irritation.
Skin contact Very low skin absorption hazard and possible irritation.
Inhalation Very low hazard (granular product).
Environmental: NOT CLASSIFIED.

4. FIRST AID MEASURES

General information Not applicable.
Inhalation Not applicable (granular product).
Skin contact Wash areas of skin affected with soap and plenty of water.
Eye contact Wash out eye thoroughly with plenty of water until irritation subsides. If irritation persists, seek medical advice.
Ingestion Obtain medical advice. Metallic taste does not indicate serious effect.

5. FIRE FIGHTING MEASURES

General hazard THE PRODUCT IS NON COMBUSTIBLE
Extinguishing media To suit local surroundings (e.g. water, foam, carbon dioxide, dry chemical powder)
Extinguishing media to avoid Strong water jet.
Special exposure hazards The thermal decomposition products released should be considered toxic if inhaled. Prevent fire water run-off from entering drains and water courses.
Protective equipment Wear self-contained breathing apparatus and suitable protective clothing.

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6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up	Adhere to personal protective measures (see section 8). Take up mechanically (e.g. sweep or vacuum up). Label container and dispose of as prescribed.
Environmental considerations	Do not allow to get into waste water or waterways.

7. HANDLING & STORAGE

Advice on safe handling	Handle in accordance with good hygiene and safety practice.
Storage conditions	Ensure adequate ventilation of the storage area. Keep containers tightly closed, cool and dry away from foodstuffs.
Shelf life	At least 2 years.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls	Monitoring of the workplace should be considered in accordance with EH40 (or equivalent) controls. LTEL (8 hour TWA): 1 mg/m ³ (OES for iron salts as Fe, EH40/2002) STEL (15 min): 2 mg/m ³ (OES for iron salts as Fe, EH40/2002) LTEL (8 hour TWA): 6 mg/m ³ (OES for total inhalable silica dust, EH40/2002) LTEL (8 hour TWA): 2.4 mg/m ³ (OES for respirable silica dust, EH40/2002)
Engineering controls	Ensure adequate ventilation of working area.
Personal protection	Observe normal standards for handling chemicals. Avoid inhalation of dust. Wash hands before breaks and after use. 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)
Eye protection	Safety goggles, BSEN1664F.
Skin protection	Nitrile gloves
Respiratory protection	Dust mask, EN149:2001FFPI, e.g. if ventilation is insufficient)
Other protection	Protective overall and rubber boots.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical form	Free-flowing granules
Colour	Beige/green
Odour	Slight, metallic.
pH	Not applicable
Boiling pt / range	Not applicable
Melting pt / range	Not determined
Flash point	Not applicable
Autoflammability	Not applicable
Bulk density	650 -900g/l
Viscosity	Not applicable
Water solubility	Partially
Additional information	Insoluble in lipids.

10. STABILITY & REACTIVITY

Stability	Stable under normal conditions of handling for 2 years.
Thermal decomposition	> 100°C
Conditions to avoid	Alkalies, extremes of temperature
Material to avoid	Strong alkalies
Hazardous reactions	None known
Hazardous decomposition products	Decomposition products released in a fire (e.g. ammonia) should be considered as probably harmful if inhaled.
Further information	None known

11. TOXICOLOGICAL INFORMATION ##

Acute toxicity	Oral LD ₅₀	Rat	750mg/kg	Data for ferrous sulphate
	Dermal LD ₅₀			No data available for the product
	Inhalation LD ₅₀			No data available for the product
Dermal compatibility	No data available for the product			
Eye/respiratory tract compatibility	Slight irritation to eyes is possible after acute exposure. Prolonged or repeated exposure may cause temporary scratchiness or redness to eyes and chronic pulmonary disease			
Further information	According to experience, the product is considered to be harmless to health if handled in the correct manner.			

12. ECOLOGICAL INFORMATION

Acute toxicity	No data available
Degradability	No data available
Further information	Do not allow to get into waste water or waterways. Evaluate any contaminated material accordingly.

13. DISPOSAL CONSIDERATIONS

Advice on disposal	In accordance with national and local authority regulations, e.g. special waste (e.g. Special Waste Regulations, 1996) or incineration, after consultation with the operator.
Contaminated packaging	Treat empty containers in the same way as the product or if possible wash out thoroughly and recycle.

14. TRANSPORT INFORMATION

United Nations number	Not classified for transport.
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15. REGULATORY INFORMATION

Classification & labelling	In accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations [CHIP 3], the product is not classified.
Risk phrases	NOT REQUIRED
Safety phrases	NOT REQUIRED

16. OTHER INFORMATION

The safety data sheet has been revised in the following sections (marked with ##): 2; 11

Risk phrases referred to in section 2 for composite ingredients

R22: Harmful if swallowed

Further information For further advice authorised persons (e.g. doctor) may contact the National Poisons Information Service Centre:
UK National number: 0870 6006266
Eire (Dublin) 00 3531 8379964 or 00 3531 8379966

Sources of data EH40/2002 and other suppliers' safety data sheets

Date of issue 30 July 2002

The information on this sheet is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage and use of the product.

It is not applicable to unusual or non standard uses of the product nor where instructions or recommendations are not followed.