

SAFETY DATA SHEET



Product Name:	GREENMASTER LIQUID AUTUMN	Reference No:	245		
Version No.	2	Revision date	July 25 2002	Date of Introduction:	January 2001

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Name	GREENMASTER LIQUID AUTUMN		
Common name of active ingredient	Fertiliser salts		
Intended use	For use only as a Professional Turf Treatment		
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: 020383
NPK: 8-4-16

Chemical Characterisation AQUEOUS PREPARATION OF METAL SALTS

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
PHOSPHORIC ACID	7664-38-2	231-633-2	C: R34	APPROX. 1%
POTASSIUM PYROPHOSPHATE	7320-34-5	230-785-7	Xi: R36	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 a substance that has an Occupational Exposure Limit (OEL).
Ingestion	Very low hazard – unlikely to cause a problem.
Eye contact	Possible irritation and inflammation.
Skin contact	Very low skin absorption hazard and possible irritation.
Inhalation	Moderate hazard.
Environmental:	NOT CLASSIFIED.

4. FIRST AID MEASURES

General information	Not applicable
Inhalation	Remove patient to fresh air.
Skin contact	Remove contaminated clothing. Wash affected area with soap and water. Seek medical advice if irritation persists.
Eye contact	Wash out eye thoroughly with plenty of water until irritation subsides. If irritation persists, seek medical advice.
Ingestion	If swallowed do not induce vomiting, seek medical advice and show the label or this Safety Data Sheet.

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5. FIRE FIGHTING MEASURES

General hazard	The product is non combustible. Prevent fire water run-off from entering drains or watercourses.
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.
Protective equipment	Wear self-contained breathing apparatus and suitable protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up	Adhere to personal protective measures (see section 8). Take up with absorbent material, e.g. sand, sawdust into tightly closable containers. 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. Keep away from food, drink and animal feeding stuffs.
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): (No limit value quoted) STEL (15 min): 2mg/m ³ (OES for orthophosphoric acid, EH40/2002)
Engineering controls	Ensure adequate ventilation of working area.
Personal protection	Observe normal standards for handling chemicals. 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	Faceshield, BSEN1663F.
Skin protection	Nitrile gloves.
Respiratory protection	Respirator, BSEN149:2001FFP2 e.g. if ventilation is insufficient.
Other protection	Protective overall and rubber boots.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical form	Liquid
Colour	Brown
Odour	Not available
pH	Approximately 7
Boiling pt / range	~100°C (aqueous)
Melting pt / range	Not applicable (aqueous)
Flash point	Not applicable
Autoflammability	Not applicable
Specific gravity	Approximately 1.2
Viscosity	Not applicable
Water solubility	Soluble
Additional information	Not available

10. STABILITY & REACTIVITY

Stability	Stable under normal conditions of handling for 2 years.
Thermal decomposition	Not applicable
Conditions to avoid	Extremes of temperature
Material to avoid	Strong acids and 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	No data available for the product
	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.	
Further information	This product is not classified and unlikely to be hazardous under normal conditions of use.	

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.

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14. TRANSPORT INFORMATION

United Nations number Not classified for transport.

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

Risk phrases referred to in section 2 for composite ingredients.

R34: Causes burns

R36: Irritating to eyes

Further information For further advice authorised persons (e.g. doctor) may contact the National Poisons Information Service Centre:

UK National number: 0870 600 6266

Eire (Dublin) 00 3531 837 9964 or 00 3531 837 9966

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

Date of issue 30-07-2002

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.