



1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY				
<p>Safety Data Sheet for: GREENMASTER LIQUID N PLUS</p> <p>Synonyms: None</p> <p>Common name of active ingredient: Fertilizer salts</p> <p>Intended Use: For use only as a Professional Turf Treatment</p> <p>Dilution: Dependent upon situation of use and application method – Refer to product label</p> <p>For further information contact: Scotts UK Professional, The Scotts Company (UK) Limited, Paper Mill Lane, Bramford, Ipswich, Suffolk, England IP8 4BZ. Telephone: (01473) 830492. 24hr Emergency Line Tel: 01865 407333</p> <p>Date of Introduction: September 1998 Date of Withdrawal: None Date of Change: None</p>				
2. COMPOSITION INFORMATION ON INGREDIENTS (Directive 91/155/EC)				
Spec. No: 005585				
Nitrogen:Phosphorus:Potassium (N:P:K): 15:0:0 + 0.5% Fe				
Ingredient(s)	Composition	CAS No	Symbol	R phrases
Ferric Sulphate	1-5%w/v	455-90-8	Xn	R22
Fatty Alcohol Ethoxylate	<1%w/v	-	Xn	R22-R36/38
Magnesium sulphate	<1%w/v	10034-99-8	-	-
Phosphoric acid solution	<1%w/w	007664-38-2	C	R34
Tetra sodium salt of ethylene diamine tetra acetic acid	5-10%w/v	64-02-8	Xn, N	R22-36, 52-53
Copper sulphate	<1%w/w	007758-98-7	Xn	R22-R36/38
Zinc sulphate	<1%w/w	007733-02-0	Xi	R36/38
Manganese sulphate	<1%w/w	007785-87-7	Xn	R48-20/22
3. HAZARDS IDENTIFICATION				
Classification: Not classified		Symbol(s): None required		
Ingestion:	Low toxicity			
Eye contact:	May cause slight irritation			
Skin contact:	Very low toxicity			
Inhalation:	Moderate toxicity			
PRECAUTIONS (from the label): None				
4. FIRST-AID MEASURES				
Ingestion:	If swallowed seek medical advice and show the label or this Safety Data Sheet. Do not induce vomiting.			
Eye contact:	Irrigate with eyewash solution or clean water, for at least 15 minutes.			
Skin contact:	Wash skin with soap and water.			
Inhalation:	Remove patient from exposure, keep warm and at rest.			
5. FIRE-FIGHTING MEASURES				
Keep fire exposed containers cool by spraying with water. Use foam, carbon dioxide or dry powder extinguishant, avoid use of water jet. Contain run-off with, for example, temporary earth barriers. Prevent contamination of waterways etc by collecting/containing run-off. Self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.				

6. ACCIDENTAL RELEASE MEASURES

Ensure suitable personal protection during removal of spillages. For large quantities see section 8.

Absorb spillages onto sand, earth or any suitable absorbent material. Transfer to a container for disposal (see section 13). Wash the spillage area with water. Washings must be prevented from entering surface water drains. Spillages or uncontrolled discharge into water courses must be alerted to the appropriate regulatory body.

7. HANDLING AND STORAGE

Storage: Keep in original container, closed and out of the reach of children. Keep away from food, drink and animal feeding stuffs. Protect from extremes of temperature.

Shelf life: 2 years
Product packaging: 20 litres
Special precautions: None known

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautions (from the label) for normal use: No protective clothing required – gloves may be worn for personal hygiene if required. Take care when lifting

In case of accidental spillage or handling of bulk product: Wear suitable personal protective clothing such as face and eye protection, gloves, boots and coveralls.

Occupational Exposure Standard(s):

Iron oxide (as Fe): 5mg/m³ LTEL (8hr TWA); 10 mg/m³ STEL (15 min)

Iron salts (as Fe): 1mg/m³ LTEL (8hr TWA); 2 mg/m³ STEL (15 min)

Magnesium oxide (as Mg):

Total inhalable dust: 10 mg/m³ LTEL (8hr TWA)

Fume and respirable dust: 4mg/m³ LTEL (8hr TWA); 10 mg/m³ STEL (15 min)

Sodium hydroxide: 2 mg/m³ STEL (15 min)

Copper Fume: 0.2 mg/m³ LTEL (8hr TWA); Copper dusts and mists (as Cu): 1 mg/m³ LTEL (8hr TWA); 2 mg/m³ STEL (15 min).

Manganese and compounds (as Mn): 5 mg/m³ LTEL (8hr TWA)

Zinc as Zinc oxide fume: 5 mg/m³ LTEL (8hr TWA); 10 mg/m³ STEL (15 min).

Orthophosphoric acid (Phosphoric acid): 2 mg/m³ STEL (15 min)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical nature:	Liquid	Flash point:	Not available
Appearance / Odour:	Not available	Flammability:	Not considered to be flammable
Water solubility:	Soluble	Decomposition temperature:	Not available
Lipid solubility:	Not available	Hazardous polymerization:	Not available
Specific Gravity:	1.278	Explosion limits:	Not available
Boiling point:	Not available	pH:	Not available
Oxidising properties:	None known	Other:	None known

10. STABILITY AND REACTIVITY

Stability (normal conditions):	Considered to be stable
Conditions to avoid:	Heating to high temperatures
Incompatible with:	Strong acids and alkalis
Hazardous decomposition products:	Ammonia gas on strong heating

11. TOXICOLOGICAL INFORMATION

Not available

12. ECOLOGICAL INFORMATION

Not available

13. DISPOSAL CONSIDERATIONS:

User: Place empty container in domestic refuse.

Surplus Bulk Product / Spillage: Dispose via local authority or authorised waste disposal contractor.

14. TRANSPORT INFORMATION:

Not classified



15. REGULATORY INFORMATION:

Classification: Not classified

Symbol(s): Not required

Current Registration Number: Not applicable

Previous Registration Number(s): Not applicable

PRECAUTIONS (from the label): Take care when lifting.

This product is classified in accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations 1999. The Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

16. OTHER INFORMATION

For further advice authorized persons (Doctor/Veterinary Surgeon) may contact the National Poisons Information Service Centre:

Belfast: 01232 240503
Birmingham: 0121 507 558 or 0121 507 5589
Cardiff: 01222 709901
Dublin: 00 3531 8379964 or 00 3531 8379966
Edinburgh: 0131 5362300 or 0131 5361000
Leeds: 0113 245 0530 or 01132 923547
London: 0171 635 9191
Newcastle: 0191 232 5131

Reference number: SDS No:020

Version: 1

Date of Sheet: 20 July 1999

The appearance of a 'REVISION' stamp and/or colour line in the left hand side of the border of any of the boxes indicates a change in the information to the previous issue.

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.