

SAFETY DATA SHEET



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| Product Name: | GREENMASTER TURF TONIC | Reference No: 022 |
| Version No. 2 | Revision date: July 2002 | Date of Introduction: November 1987 |

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

| | | | |
|---|--|--|--|
| Product Name | GREENMASTER TURF TONIC | | |
| 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: 020094 | | | | |
| NPK: 8-0-0 | | | | |
| Chemical Characterisation | PREPARATION OF SALTS AND AMORPHOUS SILICA | | | |
| Chemical name | CAS-No | EINECS/ELINCS | Classification | Concentration |
| FERROUS SULPHATE | 7720-78-7 | 231-753-5 | Xn: R22 | 10-20% |

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 |
| Environmental: | NOT CLASSIFIED |

4. FIRST AID MEASURES

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| General information | Not applicable |
| Inhalation | Not relevant to the product. |
| Skin contact | Wash off with water. |
| Eye contact | Irrigate with plenty of water. If irritation persists seek medical advice. |
| Ingestion | Obtain medical advice. Metallic taste does not indicate serious effect. |

5. FIRE FIGHTING MEASURES

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| 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

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| Methods for cleaning up | Adhere to personal protective measures (see section 8). Avoid raising dust. 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

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| Advice on safe handling | Handle in accordance with good hygiene and safety practice. Keep the raising and deposition of dust to a minimum. |
| 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

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| Exposure controls | Monitoring of the workplace should be considered in accordance with EH40 (or equivalent) controls. LTEL (8 hour TWA): 1mg/m ³ (OES for iron salts as Fe, EH40/2002) STEL (15 min): 2mg/m ³ (OES for iron salts as Fe, EH40/2002) LTEL (8 hour TWA): 6mg/m ³ (OES for total inhalable silica dust, EH40/2002) LTEL (8 hour TWA): 2.4mg/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 | Faceshield, BSEN1663F. |
| Skin protection | Nitrile gloves. |
| Respiratory protection | Dust mask, EN149:2001FFP2 if ventilation is insufficient. |
| Other protection | Protective overall and rubber boots. |

9. PHYSICAL & CHEMICAL PROPERTIES

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|-------------------------------|-----------------------|
| Physical form | Free-flowing granules |
| Colour | Beige/white |
| Odour | Not applicable |
| pH | Not applicable |
| Boiling pt / range | Not applicable |
| Melting pt / range | Not determined |
| Flash point | Not applicable |
| Autoflammability | Not applicable |
| Bulk density | 700-900 g/l |
| Viscosity | Not applicable |
| Water solubility | Partially |
| Additional information | Insoluble in lipids. |

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10. STABILITY & REACTIVITY

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| 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

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|--|--|-----|----------|-----------------------------------|
| 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 | This product is not classified and unlikely to be hazardous under normal conditions of use. | | | |

12. ECOLOGICAL INFORMATION

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|----------------------------|--|
| 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

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| 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

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

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| 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 30-07-2002

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.