

Non-hazardous

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MSDS Ref.

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1. PRODUCT NAME: Elliott's LAWN SAND, MOSS KILLER and TURF HARDENER

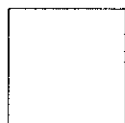
MAFF Nos: 04860

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not applicable

2. COMPOSITION

Hazardous ingredient	CAS No.	EC No.	Weight, %	Symbol	Risk Phrases
Ferrous sulphate	07782-63-0	231-753-5	14 to 43	Xn (Harmful)	R22

3. HAZARD IDENTIFICATIONNot classified as
hazardous for supply**4. FIRST AID****CONTACT WITH SKIN** Wash with plenty of soap and water. Remove and wash contaminated clothing.**CONTACT WITH EYES** Wash out with water for several minutes. Seek medical advice if irritation persists.**INGESTION** Rinse the mouth (do not swallow), and give water or milk to drink. Seek medical attention if significant quantities are involved.**INHALATION** Remove to fresh air. Keep warm and at rest.**OTHER INFORMATION****5. FIRE-FIGHTING MEASURES****SUITABLE EXTINGUISHING MEDIA** As appropriate for the surrounding fire.**SPECIAL PROTECTIVE EQUIPMENT** Use breathing apparatus, boots and PVC gloves.
Toxic and corrosive fumes of oxides of sulphur and phosphorus may be produced.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Wear suitable protective clothing appropriate to the amount involved, which may include eye/face protection, PVC or synthetic rubber gloves, personal respiratory protection.
ENVIRONMENTAL PRECAUTIONS	Do not allow to enter public sewers and watercourses. If this cannot be avoided, inform the appropriate authority.
CLEAN-UP PROCEDURES	Sweep up and place into a suitable closed container for disposal according to item 13.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS	Minimise contact with skin. Do not breathe dust.
STORAGE INFORMATION	Store in a cool, dry place away from other fertilisers, food and feeding stuffs. Product may be hygroscopic and absorb moisture.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION



Where prolonged or repeated exposure is likely, protective clothing should be worn, including eye protection and PVC or synthetic rubber gloves. Wear an approved dust respirator if airborne dust concentrations are liable to exceed limits.



Wash hands and exposed skin before meals and after work. Do not eat, drink or smoke whilst handling the product.

EXPOSURE LIMITS	OES: 10mg/m ³ total inhalable dust, 5mg/m ³ respirable dust 1mg/m ³ ferrous sulphate (as Fe) (HSE Guidance Note EH40).
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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Pale brown/grey granules	Oxidising properties	Not oxidising
Odour	None	Vapour pressure	Not applicable
pH	3 - 4 (10% in water)	Relative density	Mixture
Boiling range	Decomposes	Bulk density	1000 -1500kg/m ³
Melting point	>300°C	Viscosity	Not relevant
Flash point	Not relevant	Solubility	Partially soluble in water
Autoignition temperature	Not combustible	Partition coefficient	No data
Explosive properties	Not explosive	Other data	

10. STABILITY/REACTIVITY

STABILITY	Stable under normal conditions of use
CONDITIONS TO AVOID	High temperatures, contact with combustible materials.
MATERIALS TO AVOID	Strong oxidising agents, alkalis (may liberate ammonia)

11. TOXICOLOGICAL INFORMATION

LD₅₀ (rat, oral): >3000mg/kg (by calculation).

12. ECOLOGICAL INFORMATION

MOBILITY	Mobile - soluble in water.
DEGRADABILITY	Partially degrades, part may be taken up by plants as nutrient. Ferrous sulphate will oxidise and become fixed as insoluble oxide / hydroxide.
ACCUMULATION	No potential for bioaccumulation or biomagnification.
ECOTOXICITY	Not significantly ecotoxic.

13. DISPOSAL CONSIDERATIONS

DISPOSAL OF PRODUCT	Landfill or controlled incineration in accordance with local or national legislation.
DISPOSAL OF PACKAGING	Cleaned packaging: as for product.

14. TRANSPORT INFORMATION

UN No.	None assigned
PROPER SHIPPING NAME	
ADR/RID	Not classified as hazardous
IMCO	Not classified as hazardous
IATA/IACO	Not classified as hazardous
PACKING GROUP	
LABEL	None

15. REGULATORY INFORMATION

CLASSIFICATION	Not classified as hazardous for supply
LABEL INFORMATION	

15. REGULATORY INFORMATION [contd.]

Refer to relevant legislation such as the Health and Safety at Work etc Act (HSWA), the Control of Substances Hazardous to Health Regulations (COSHH), the Environment Protection Act and the Control of Pollution Act.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risk as required by health and safety legislation.

16. OTHER INFORMATION

The information contained in this data sheet is to the best of our knowledge accurate at the date of publication, but we cannot accept responsibility that it is sufficient or correct in all cases.

The data contained herein does not constitute a specification. Such information is available from the technical data sheet for the product.

Abbreviations: OES - occupational exposure standard. STEL - short term exposure limit. LTEL - long term exposure limit. TWA - time weighted (8 hour) average. LEL - lower explosive limit. UEL - upper explosive limit.