

# SAFETY DATA SHEET



**Product Name:** GREENMASTER EXTRA **Reference No:** 029

**Version No.:** 2 **Revision Date:** September 2003 **Date of Introduction:** September 1985

## 1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

**Product Name** GREENMASTER EXTRA  
**Common name of active ingredient** MCPA, MECOPROP-P  
**Intended use** For use only as a Horticultural Turf Treatment.  
**Company Identification** **Scotts UK Professional**  
**The Scotts Company (UK) Ltd**  
**Paper Mill Lane**  
**Bramford, Ipswich** **Telephone +44 (0) 1473 830 492**  
**Suffolk IP8 4BZ**  
**Emergency Telephone** 01865 407333 (24hr)

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

**JBA No:** 020224

**NPK:** 14-2-4

### Chemical Characterisation

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
MCPA	29450-45-1	-	Xn: R20/21/22	0.49%
MECOPROP-P	16484-77-8	-	Xn, R20/22, R43	0.29%
SAND	-	-	-	22.0%

## 3. HAZARDS IDENTIFICATION

**Physicochemical:** NOT CLASSIFIED

### Health:

**General** Contains Mecoprop-P (iso-ocytl ester). May produce an allergic reaction.  
**Ingestion** Low hazard  
**Eye contact** Not irritant  
**Skin contact** Not irritant  
**Inhalation** Low hazard

**Environmental:** HARMFUL TO FISH OR OTHER AQUATIC LIFE. Do not contaminate surface waters or ditches with chemical or used container.

## 4. FIRST AID MEASURES

### General information

**Inhalation** Remove patient from source of contamination. If irritation persists seek medical advice.  
**Skin contact** Wash with plenty of water. If irritation persists seek medical advice.  
**Eye contact** Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. If irritation persists seek medical advice.  
**Ingestion** Rinse mouth with water. Seek medical advice if consumed in large quantities.

**5. FIRE FIGHTING MEASURES**

<b>General hazard</b>	Non-flammable.
<b>Extinguishing media</b>	Water spray, foam, carbon dioxide (CO <sub>2</sub> ) or dry powder extinguishant.
<b>Extinguishing media to avoid</b>	Strong water jet.
<b>Special exposure hazards</b>	May produce fumes if heated to decomposition. Do not breathe fumes.
<b>Protective equipment</b>	Self-contained breathing apparatus and suitable protective clothing.
<b>Further information</b>	Prevent fire water run off from entering drains or watercourses. If water pollutions occurs, notify appropriate authorities.

**6. ACCIDENTAL RELEASE MEASURES**

<b>Methods for cleaning up</b>	Wear protective clothing as detailed in section 8. Collect up spillage into labelled containers for disposal (see also section 13). Wash hands after dealing with spillage.
<b>Environmental considerations</b>	Spillages or uncontrolled discharge into watercourses must be alerted to the appropriate regulatory body.

**7. HANDLING & STORAGE**

<b>Advice on safe handling</b>	Read the label before use.
<b>Storage conditions</b>	Keep in original container, tightly closed in a safe place. Store in a dry place away from direct heat. Store away from compost and other fertilizers.
<b>Shelf life</b>	At least 2 years.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>Exposure controls</b>	Monitoring of the workplace should be considered in accordance with EH40 (or equivalent) controls. <table border="0"> <tr> <td>LTEL (8 hour TWA):</td> <td>15mg/m<sup>3</sup></td> <td>Mecoprop-P (supplier)</td> </tr> <tr> <td>STEL (15 min):</td> <td>30mg/m<sup>3</sup></td> <td>Mecoprop-P (supplier)</td> </tr> <tr> <td>LTEL (8 hour TWA):</td> <td>14mg/m<sup>3</sup></td> <td>MCPA (supplier)</td> </tr> <tr> <td>STEL (15 min):</td> <td>28mg/m<sup>3</sup></td> <td>MCPA (supplier)</td> </tr> <tr> <td>LTEL (8 hour TWA):</td> <td>6mg/m<sup>3</sup></td> <td>Sand (as for amorphous silica) total inhalable dust</td> </tr> <tr> <td>STEL (15 min):</td> <td>2.4mg/m<sup>3</sup></td> <td>Sand (as for amorphous silica) respirable dust</td> </tr> </table>	LTEL (8 hour TWA):	15mg/m <sup>3</sup>	Mecoprop-P (supplier)	STEL (15 min):	30mg/m <sup>3</sup>	Mecoprop-P (supplier)	LTEL (8 hour TWA):	14mg/m <sup>3</sup>	MCPA (supplier)	STEL (15 min):	28mg/m <sup>3</sup>	MCPA (supplier)	LTEL (8 hour TWA):	6mg/m <sup>3</sup>	Sand (as for amorphous silica) total inhalable dust	STEL (15 min):	2.4mg/m <sup>3</sup>	Sand (as for amorphous silica) respirable dust
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<b>Engineering controls</b>	Ensure adequate ventilation of working area.																		
<b>Personal protection</b>	Wear suitable protective clothing (coveralls) suitable protective gloves and face protection (faceshield) when handling the concentrate. Wear suitable protective clothing (coveralls) when applying by vehicle mounted equipment. Wear suitable protective clothing (coveralls), suitable protective gloves, rubber boots and face protection (faceshield) when handling contaminated surfaces and applying by hand held equipment. However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.  <b>In case of accidental spillage of bulk product, wear personal protective equipment appropriate to the task (see below)</b>																		
<b>Eye protection</b>	Faceshield, BSEN1664F.																		
<b>Skin protection</b>	Nitrile gloves																		
<b>Respiratory protection</b>	Dust mask, EN149:2001FFP2																		
<b>Other protection</b>	Protective overall and rubber boots.																		

**9. PHYSICAL & CHEMICAL PROPERTIES**

<b>Physical form</b>	Herbicide liquor applied to mini-granular, free flowing, fertilizer base.
<b>Colour</b>	Grey
<b>Odour</b>	Phenoxy herbicide
<b>pH</b>	4 –6 (1% solution)
<b>Boiling pt / range</b>	Not applicable
<b>Melting pt / range</b>	Not applicable
<b>Flammability</b>	Non-flammable
<b>Specific gravity</b>	900g/l
<b>Water solubility</b>	Partially soluble
<b>Additional information</b>	None

**10. STABILITY & REACTIVITY**

<b>Stability</b>	Stable under normal conditions.
<b>Conditions to avoid</b>	Extremes of temperature. Contact with alkali.
<b>Material to avoid</b>	Alkaline
<b>Hazardous reactions</b>	None known.
<b>Hazardous decomposition products</b>	Ammonia
<b>Further information</b>	None

**11. TOXICOLOGICAL INFORMATION**

<b>Acute toxicity</b>	Oral LD <sub>50</sub>	Rat	900-1160mg/kg	Active ingredient (MCPA)
		Rat	1050mg/kg	Active ingredient (mecoprop-P)
	Dermal LD <sub>50</sub>	Rat	>4000mg/kg	Active ingredient (MCPA)
		Rat	>4000mg/kg	Active ingredient (mecoprop-P)
	Inhalation LC <sub>50</sub> (4 hour)	Rat	>6.36mg/l	Active ingredient (MCPA)
		Rat	>5.6mg/l	Active ingredient (mecoprop-P)
<b>Ingestion</b>	Low toxicity, may be slightly irritant locally			
<b>Skin</b>	Not irritant, skin absorption not significant.			
<b>Eyes</b>	Not irritant			
<b>Further information</b>	None.			

**12. ECOLOGICAL INFORMATION**

	All the information below is for two of the active ingredients of the product, MCPA & mecoprop-P.		
<b>Daphnia LC<sub>50</sub></b>	MCPA & mecoprop-P: >100mg/l		
<b>Fish LC<sub>50</sub> (96 hr)</b>	Rainbow trout	232mg/l	MCPA
	Rainbow trout	150-220mg/l	Mecoprop-P
<b>Birds LD<sub>50</sub></b>	Bobwhite quail	377mg/kg	MCPA
	Bobwhite quail	500mg/kg	Mecoprop-P
<b>Bees LD<sub>50</sub></b>		0.104mg/bee	MCPA
<b>Bees LD<sub>50</sub> (48 hr)</b>		>25G/bee	Mecoprop-P
	The active ingredient MCPA has an aerobic half-life = 24 days. The active ingredient mecoprop-P has a half-life = 7 days.		
<b>Further information</b>	Harmful to fish or other aquatic life. Do not contaminate surface waters or ditches with chemical or used containers.		

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<b>13. DISPOSAL CONSIDERATIONS</b>	
<b>User</b>	Empty containers should not be used for any other purposes.
<b>Surplus bulk product / spillage</b>	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.

<b>14. TRANSPORT INFORMATION</b>	
<b>United Nations number</b>	Not classified for transport.

<b>15. REGULATORY INFORMATION</b>	
<b>Classification &amp; labelling</b>	NOT CLASSIFIED  This Safety Data Sheet does not form part of the label approved under the Control of Pesticide Regulations 1986.  Contains Mecoprop-P (iso-octyl ester). May produce an allergic reaction.  To avoid risks to man and the environment, comply with the instructions for use.
<b>Current registration no.</b>	M11563
<b>Previous registration no.</b>	M07594
<b>Risk phrases</b>	HARMFUL TO FISH OR OTHER AQUATIC LIFE.
<b>Safety phrases / precautions (from the label)</b>	WASH HANDS AND EXPOSED SKIN before meals and after work. WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate. WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) when applying by vehicle mounted equipment. WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES, RUBBER BOOTS AND FACE PROTECTION (FACESHIELD) when handling contaminated surfaces and applying by hand held equipment. KEEP LIVESTOCK OUT of treated areas for at least two weeks following treatment and until poisonous weeds such as ragwort have died and become unpalatable. HARMFUL TO FISH OR OTHER AQUATIC LIFE. Do not contaminate surface waters or ditches with chemical or used container. KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place. EMPTY CONTAINER COMPLETELY and dispose of safely.

<b>16. OTHER INFORMATION</b>	
<b>Further information</b>	The Control of Substances Hazardous to Health Regulations (COSHH) may be applicable to the use of this product.  <b><u>Risk phrases referred to in section 2 for composite ingredients.</u></b> R20/21/22: Harmful by inhalation, in contact with skin and if swallowed. R20/22: Harmful by inhalation and if swallowed. R43: May cause sensitisation by skin contact.  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 8379964 or 00 3531 8379966
<b>Sources of data</b>	EH40/2002 and other suppliers' safety data sheets
<b>Date of issue</b>	September 2003
<b>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.</b>	