

# SAFETY DATA SHEET



**Product Name:** **RENOVATOR 2** **Reference No:** 033  
**Version No.:** 2 **Revision Date:** August 2003 **Date of Introduction:** September 1998

## 1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

**Product Name** RENOVATOR 2  
**Common name of active ingredient** Dichlorprop-P, MCPA, Dicamba, Ferrous sulphate  
**Intended use** For use only as a Horticultural Herbicide  
**Company Identification** **Scotts UK Professional**  
**The Scotts Company (UK) Limited**  
**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:** 020577  
**NPK:** 8-3-3

### Chemical Characterisation

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
Dichlorprop-P	151-65-67-0	-	Xn: R22 Xi: R41	0.223%w/w
MCPA	5221-16-9	-	Xn: R20/21/22	0.223%w/w
Dicamba	10007-85-9	-	Xn: R20/21/22	0.027%w/w
Ferrous sulphate	7720-78-7	-	Xn: R22	18.2%w/w

## 3. HAZARDS IDENTIFICATION

**Physicochemical:** NOT CLASSIFIED  
**Health:**  
**General** This product is not classified and unlikely to be hazardous under normal conditions of use.  
**Ingestion** Low oral toxicity.  
**Eye contact** Unlikely to cause irritation.  
**Skin contact** Unlikely to cause irritation or be harmful.  
**Inhalation** Unlikely to cause harmful effects under normal conditions of handling and use.  
**Environmental:** NOT CLASSIFIED.

## 4. FIRST AID MEASURES

### General information

**Inhalation** Remove patient from source of exposure, keep warm and at rest. Obtain medical attention as a precaution.  
**Skin contact** Take off contaminated clothing. Wash skin with soap and water. Contaminated clothing should be laundered before re-use.  
**Eye contact** Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain medical advice if irritation persists.  
**Ingestion** If swallowed seek medical advice immediately and show the container, label or this safety data sheet if possible. **Do not induce vomiting.**

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## 5. FIRE FIGHTING MEASURES

<b>General hazard</b>	Non-flammable.
<b>Extinguishing media</b>	Water fog, foam, carbon dioxide (CO <sub>2</sub> ) or dry powder
<b>Extinguishing media to avoid</b>	Strong water jet.
<b>Special exposure hazards</b>	None known.
<b>Protective equipment</b>	Self contained breathing apparatus and suitable protective clothing.
<b>Further information</b>	Keep fire exposed containers cool by spraying with water. Prevent contamination of watercourses etc by containing run-of water with, for example, temporary earth barriers.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Methods for cleaning up</b>	Ensure suitable personal protection during removal of spillages. This means wearing a face protection that gives protection against dust, eye protection, chemically resistant gloves. Boots and coveralls (see also section 8). Cover spillage with moist sand, soil or sawdust. Transfer into a labelled container for disposal (see section 13). Wash the spillage area with water.
<b>Environmental considerations</b>	Washings must be prevented for entering surface water drains. Spillages or uncontrolled discharge into watercourses must be alerted to the appropriate regulatory body.

## 7. HANDLING & STORAGE

<b>Advice on safe handling</b>	Handle in accordance with good hygiene and safety practice. Wash any contamination from skin and eyes immediately. Wash hands and exposed skin before eating, drinking or smoking.
<b>Storage conditions</b>	Keep in original container, tightly closed in a safe place. Store in a cool, dry place away from seeds, other fertilizers and plants.
<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. LTEL (8 hour TWA): 1.0mg/m <sup>3</sup> Iron salts (as Fe) STEL (15 min): 2.0mg/m <sup>3</sup> Iron salts (as Fe)
<b>Engineering controls</b>	Ensure adequate ventilation of working area.
<b>Personal protection</b>	Observe normal standards for handling chemicals. Avoid inhalation of dust. Wash hands before breaks and after use. <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 e.g. BSEN1664F.
<b>Skin protection</b>	Nitrile gloves
<b>Respiratory protection</b>	Dust mask e.g. EN149:2001FFP3.
<b>Other protection</b>	Protective overall and rubber boots.

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## 9. PHYSICAL & CHEMICAL PROPERTIES

Physical form	Granules.
Colour	Dark grey.
Odour	Odourless.
pH	4 - 6
Boiling pt / range	Not applicable.
Flash point	Not available.
Flammability	Non-flammable.
Bulk density	0.85 – 1.05g/ml
Water solubility	Soluble.
Additional information	None.

## 10. STABILITY & REACTIVITY

Stability	Stable under normal conditions.
Conditions to avoid	None known.
Material to avoid	Fertilisers can be mildly corrosive if left in contact with ferrous metal.
Hazardous reactions	None known.
Hazardous decomposition products	Combustion or thermal decomposition will evolve toxic and irritant vapours.
Further information	None.

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity	Oral LD <sub>50</sub>	Rat	>5000mg/kg
	Dermal LD <sub>50</sub>	No data available for the product	
	Inhalation LD <sub>50</sub>	No data available for the product	
Inhalation	Unlikely to cause harmful effects under normal conditions of handling and use.		
Skin	Unlikely to be irritant and harmful in contact with skin.		
Eyes	Unlikely to cause eye irritation.		
Further information	None.		

## 12. ECOLOGICAL INFORMATION

Acute toxicity	No data available for the product.
Degradability	No data available for the product.
Further information	Large quantities in water may upset the ecological balance. May be harmful to fish or other aquatic life in large quantities. Do not contaminate surface waters and ditches with chemical or used container.

## 13. DISPOSAL CONSIDERATIONS

User	Empty containers should not be used for other purposes. Do not contaminate ponds, waterways or ditches with chemical or used containers. Disposal should be in accordance with local or national legislation.
Surplus bulk product / spillage	In accordance with national and local authority regulations, e.g. special waste (e.g. Special Waste Regulations) or incineration, after consultation with the operator.

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#### 14. TRANSPORT INFORMATION

United Nations number      Not classified for transport.

#### 15. REGULATORY INFORMATION

**Classification & labelling**      NOT CLASSIFIED

This Safety Data Sheet does not form part of the label approved under the Control of Pesticide Regulations 1986.

Safety data sheet available for professional user on request.

To avoid risks to man and the environment, comply with the instructions for use.

**Current registration no.**      MAPP 11411

**Previous registration no.'s**      09271, 07851, (as dichlorprop versions of the formulation.)

**Risk phrases**      NOT APPLICABLE.

**Safety phrases / precautions  
(from the label)**

**Operator protection**

WASH ANY CONTAMINATION from skin and eyes immediately  
WASH HANDS AND EXPOSED SKIN before eating, drinking or smoking.

**Environmental protection**

DO NOT CONTAMINATE SURFACE WATERS AND DITCHES with chemical or used containers.

**Storage and disposal**

KEEP IN ORIGINAL CONTAINER tightly closed in a safe place.  
EMPTY CONTAINER COMPLETELY and dispose of safely  
Store in a cool, dry place away from seeds, other fertilizers and plants.

#### 16. OTHER INFORMATION

**Further information**

The Control of Substances Hazardous to Health Regulations (COSHH) may be applicable to the use of this product.

**Risk phrases referred to in section 2 for composite ingredients.**

R22: Harmful if swallowed.

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

R41: Risk of serious damage to eyes.

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

**Sources of data**

EH40/2002 and other suppliers' safety data sheets

**Date of issue**

August 2003

**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.**