



**1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY**

Safety Data Sheet for: **RENOVATOR 2**

**Synonyms:** Longlife Renovator 2

**Common name(S) of active ingredient(S):** Dichlorprop, MCPA, Dicamba + Ferrous sulphate

**Intended Use:** For use only as a Horticultural Herbicide  
For use on Managed Amenity Turf

**Dilution:** Not applicable: Ready-To -Use Granule  
Maximum Dose: 50g product/sq.m (500kg/ha)

**For further information contact:** Scotts UK Professional, The Scotts Company (UK) Ltd, Paper Mill Lane, Bramford, Ipswich, Suffolk, IP8 4BZ. Tel: (01473) 830492.  
**24hr Emergency Line Tel:** 01865 407333

**Date of Introduction:** September 1998

**Date of Withdrawal:**

**Date of Change:** September 1998 – change of name from Longlife Renovator 2

**2. COMPOSITION INFORMATION ON INGREDIENTS (Directive 91/155/EC)**

**Spec. No:** 007220

**Nitrogen: Phosphorus: Potassium: NPK:** 8:3:3

Ingredient(s)	Composition	CAS No	Symbol	R phrases
Dichlorprop	0.446%w/w	5746-17-8	Xn	R20/21/22
MCPA	0.223%w/w	5221-16-9	Xn	R20/21/22
Dicamba	0.027%w/w	10007-85-9	Xn	R20/21/22
Ferrous sulphate	23.08%w/w	7720-78-7	-	-

**3. HAZARDS IDENTIFICATION**

**Classification:** Not classified    **Symbol(s):** Not required

**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.

**PRECAUTIONS (from the label):** WASH ANY CONTAMINATION from skin and eyes immediately. WASH HANDS AND EXPOSED SKIN before eating, drinking or smoking. DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used containers.

**4. FIRST-AID MEASURES**

**Ingestion:** If swallowed seek medical advice immediately and show the container, label or this Safety Data Sheet if possible.  
*Do not induce vomiting.*

**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.

**Skin contact:** Take off contaminated clothing. Wash skin with soap and water. Contaminated clothing should be laundered before re-use.

**Inhalation:** Remove patient from exposure, keep warm and at rest.  
Obtain medical attention as a precaution.

### 5. FIRE-FIGHTING MEASURES

Keep fire exposed containers cool by spraying with water. Extinguishing media: Small fires - use foam, carbon dioxide or dry powder extinguishant. Large fires - use foam or water-fog, avoid use of water jet. Prevent contamination of watercourses etc. by containing run off water with, for example, temporary earth barriers. Protective equipment: Self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: (see also section 8); Ensure suitable personal protection during removal of spillages. This means wearing a face protection that gives protection against toxic dusts, eye protection, chemically resistant gloves, boots and coveralls.

Clean up methods: Cover spillage with moist sand, soil or sawdust. 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

Read the label before use. Avoid contact with skin and eyes. When using do not eat drink or smoke. Wash face and hands before eating, drinking or smoking.

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

**Shelf life:** At least 2 years

**Product packaging:** 25 kg polyethylene sack

**Special precautions:** Store in a cool, dry place away from seeds, other fertilisers and plants.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**For normal use (precautions from the label):** WASH ANY CONTAMINATION from skin and eyes immediately. WASH HANDS AND EXPOSED SKIN before eating, drinking or smoking. DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used containers. KEEP IN ORIGINAL CONTAINER tightly closed in a safe place. EMPTY CONTAINER COMPLETELY and dispose of safely.

**Occupational Exposure Standard(s):**

Iron salts as Fe: LTEL (8 hr TWA) 1.0mg/m<sup>3</sup> ; STEL (15 min) 2.0 mg/m<sup>3</sup>

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical nature:</b>	Granules	<b>Flash point:</b>	Not available
<b>Appearance / Odour:</b>	Dark grey/odourless	<b>Flammability:</b>	Not classified as flammable
<b>Water solubility:</b>	Soluble	<b>Decomposition temperature:</b>	Not available
<b>Lipid solubility:</b>	Not available	<b>Hazardous polymerization:</b>	Not available
<b>Bulk Density:</b>	0.85-1.05 g/ml	<b>Explosion limits:</b>	Not available
<b>Boiling point:</b>	Not applicable	<b>pH:</b>	Not available
<b>Oxidising properties:</b>	None known	<b>Other:</b>	None known

### 10. STABILITY AND REACTIVITY

**Stability (normal conditions):** Stable

**Conditions to avoid:** None known

**Incompatible with:** Fertilisers can be mildly corrosive if left in contact with ferrous metal.

**Hazardous decomposition products:** Combustion or thermal decomposition will evolve toxic and irritant vapours.

### 11. TOXICOLOGICAL INFORMATION

**Acute Oral LD<sub>50</sub>:** Low oral toxicity  
>5000 mg/kg (rat)

**Inhalation:** Unlikely to cause harmful effects under normal conditions of handling and use.

**Acute Dermal LD<sub>50</sub>:** 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.

**Other:** None known

### 12. ECOLOGICAL INFORMATION

**Other:** Large quantities in water may upset ecological balance. May be harmful to fish or other aquatic life in large quantities.

**Precautions (from the label):** 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:** 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:** UK  
09271

**Previous Registration Number(s):** UK  
07851

This product is classified in accordance with the Control of Pesticides Regulations 1986.  
The Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

**PRECAUTIONS (from the label):** WASH ANY CONTAMINATION from skin and eyes immediately. WASH HANDS AND EXPOSED SKIN before eating, drinking or smoking. DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used containers. KEEP IN ORIGINAL CONTAINER tightly closed in a safe place. EMPTY CONTAINER COMPLETELY and dispose of safely.

**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:033

**Version:** 001

**Date of Sheet:** August 1999

The appearance of a 'REVISION' stamp and/or colour line in 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.