

SAFETY DATA SHEET



Product Name: **LOGLIFE RENOVATOR** **Reference No:** **MIR 056**
Version No.: **2** **Revision Date:** **September 2003** **Date of Introduction:**

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Name LONGLIFE RENOVATOR
Common name of active ingredient 2,4-D, DICAMBA, FERROUS SULPHATE
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: 021240
NPK: 8 - 1.5 - 1.5

Chemical Characterisation

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
2,4-D (dimethylamine salt)	2008-39-1	217-915-8	Xn: R22 Xi: R41 R43 N: R51,53	0.36%w/w
Dicamba (dimethylamine salt)	2300-66-5	218-951-7	Xn: R20/21/22	0.05%w/w
Ferrous sulphate	7720-78-7	231-753-5	Xn: R22	17.44%w/w

3. HAZARDS IDENTIFICATION

Physicochemical: Not classified.
Health:
General Contains 2,4-D (dimethylamine salt). May produce an allergic reaction.
Ingestion May be harmful if swallowed.
Eye contact Low toxicity. May be slightly irritant locally.
Skin contact Low toxicity. May be slightly irritant locally.
Inhalation Low toxicity. May be slightly irritant locally.
Environmental: HARMFUL TO FISH OR OTHER AQUATIC LIFE.

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 all 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 attention if irritation persists.
Ingestion If swallowed seek medical advice immediately and show the container, label or this data sheet, if possible. *Do not induce vomiting.*

5. FIRE FIGHTING MEASURES

General hazard	Non-flammable.
Extinguishing media	Foam, water fog, carbon dioxide, or dry powder extinguishant.
Extinguishing media to avoid	Strong water jet.
Special exposure hazards	Combustion or thermal decomposition will evolve toxic and irritant vapours.
Protective equipment	Self-contained breathing apparatus and suitable protective clothing.
Further information	Keep fire exposed containers cool by spraying with water. Prevent fire water run-of from entering drains or watercourses.

6. ACCIDENTAL RELEASE MEASURES

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

7. HANDLING & STORAGE

Advice on safe handling	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 conditions	Store Renovator in a cool, dry place away from seeds, fertilisers and plants. Do not store in greenhouses. Keep in original container, tightly closed, in a safe place. Keep away from children and pets.
Shelf life	Physically and chemically stable for at least 2 years when stored in the original unopened sales container at ambient temperatures and dry conditions.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls	Monitoring of the workplace should be considered in accordance with EH40 (or equivalent) controls. LTEL (8 hour TWA): 1mg/m ³ Iron salts (as Fe) [EH40/2002] STEL (15 min): 2mg/m ³ Iron salts (as Fe) [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. In case of accidental spillage of bulk product, wear personal protective equipment appropriate to the task (see below)
Eye protection	Faceshield, BSEN1664F.
Skin protection	Nitrile gloves
Respiratory protection	Dust mask, EN149:2001FFP2, (e.g. if ventilation is insufficient).
Other protection	Protective overall and rubber boots.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical form	Granules
Colour	Grey
Odour	Odourless
pH	Not available
Boiling pt / range	Not applicable
Melting pt / range	Not available
Flash point	Does not flash
Flammability	Non-flammable
Bulk density	900g/l
Viscosity	Not applicable
Water solubility	Soluble
Additional information	None

10. STABILITY & REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Oral LD ₅₀	Rat	>5000mg/kg
	Dermal LD ₅₀	No data available for the product	
	Inhalation LC ₅₀	No data available for the product	
Inhalation	Unlikely to cause harmful effects under normal conditions of handling and use.		
Skin contact	Unlikely to be irritant and harmful in contact with skin.		
Eye contact	Unlikely to cause eye irritation.		
Ingestion	Low oral toxicity.		

12. ECOLOGICAL INFORMATION

Acute toxicity	No data available for the product.
Degradability	No data available for the product.
Further information	Harmful to fish or other aquatic life. Do not contaminate surface waters or 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. Dispose of product and empty containers according to the 'Code of Practice for the Use of Approved Pesticides in Amenity and Industrial Areas (NAAC/NTC).
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.
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15. REGULATORY INFORMATION

Classification & labelling	<p>The product is classified in accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations (CHIP 3).</p> <p>To avoid risks to man and the environment, comply with the instructions for use.</p> <p>This Safety Data Sheet does not form part of the label approved under the Control of Pesticide Regulations 1986.</p> <p>Following the instructions on the pesticide product label for the specified uses should ensure that the product is used safely and efficaciously for those uses.</p>
Current registration no.	EIRE PCS NO: 91142
Risk phrases	HARMFUL TO FISH OR OTHER AQUATIC LIFE.
Safety phrases / precautions (from the label)	<p>WASH HANDS AND EXPOSED SKIN before meals and after work. KEEP AWAY FROM CHILDREN AND PETS. KEEP LIVESTOCK OUT of treated area for at least 2 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 dry place. EMPTY CONTAINER COMPLETELY and dispose of safely.</p> <p>Contains 2,4-D. May produce an allergic reaction.</p> <p>Safety data sheet available for professional user on request.</p>

16. OTHER INFORMATION

Further information	<p>The Control of Substances Hazardous to Health Regulations (COSHH) may be applicable to the use of this product.</p> <p><u>Risk phrases referred to in section 2 for composite ingredients.</u> R22: Harmful if swallowed. R20/21/22: Harmful by inhalation, in contact with skin and if swallowed. R41: Risk of serious damage to eyes. R43: May cause sensitisation by skin contact. R51,53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>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</p>
Sources of data	EH40/2002 and other suppliers' safety data sheets
Date of issue	September 2003
<p>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.</p>	