

SAFETY DATA SHEET**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

Product **Westland Lawn Feed, Weed & Moss Killer**

Supplier **Westland Horticulture Limited**  
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**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredient Name:	CAS No:	Contents:	Information:
2,4-D	2008-39-1	0.562%	Xn;R22/xi;R36-R38
Mecoprop-P	66423-09-4	0.562%	Xn;R20/22 Xi;R41
Ferrous Sulphate as ferrous heptahydrate	07782-63-0	35.9 %	Xn;R20/21/22

**3. HAZARDS IDENTIFICATION**

**Human Health** - Non-hazardous. Products are of a low toxicity but prolonged skin or eye contact may cause some irritation.

**Ingestion:** Small quantities are unlikely to cause toxic effects. Large quantities may give rise to gastro-intestinal disorders.

**Inhalation:** Low toxicity dust but a high concentration of air-borne material may cause irritation of the nose and upper-respiratory tract with symptoms such as sore throat and coughing. Generally regarded as a nuisance dust with no specific official Occupational Exposure Limit (OEL). Recommended total inhalable dust standard for nuisance dust of 10mg/m<sup>3</sup> as an 8 hour Time Weighted Average. See HSE Guidance Notes EH40 and HSG 173.

**Molten material:** Will cause burns and inhalation of decomposition gases (e.g. in a fire) may cause serious delayed lung effects.

**Environment**

As this fertiliser contains phosphate, heavy spillage may cause adverse environmental impact such as eutrophication in confined surface waters.

**4. FIRST AID MEASURES**

**GENERAL:** In all cases of doubt, or where symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

**Inhalation** : Remove from source of exposure to dust. Keep warm and at rest. Obtain medical attention if symptoms persist.

**Ingestion** : Do not induce vomiting. Do not give emetics. Give milk or water to drink. Obtain medical attention if more than small quantities have been swallowed. If symptoms evident convey to an Accident/Emergency Department of hospital.

**Skin Contact** : Wash affected area with soap and copious water. Remove contaminated clothing. Seek medical advice if irritation develops.

**Eye Contact** : Immediately flush with water holding eyelids open. Continue for 15 minutes or longer until clean. If irritation develops and persists seek medical aid.

**Guidance to doctor:** Ingestion of large quantities may cause nausea, diarrhoea or vomiting. Initial treatment should include gastric lavage and then be symptomatic and supportive.

**FIRE AND THERMAL DECOMPOSITION PRODUCTS:**

**Skin contact:** Wash areas in contact with molten material. Wash copiously with cold water. Seek medical advice.

**Inhalation:** Remove from source of exposure to fumes. Keep warm and at rest.

**5. FIRE FIGHTING MEASURES**

When the fertilizer is not directly involved in the fire use the best means available to control the fire.

When the fertilizer is involved:

- 1) Avoid breathing the fumes. Whenever possible wear an approved breathing mask when fighting the fire or when fumes are being emitted.
- 2) Call the fire brigade
- 3) Use plenty of water
- 4) Open doors and windows to give maximum ventilation
- 5) Do not allow molten fertilizer to run into drains

If water containing the fertilizer enters any drain or watercourse, inform the local authorities and appropriate water authorities immediately. Note also First Aid precautions.

**Extinguishing Media:** Water jet, spray, CO<sub>2</sub>, foam, dry powder.

**Special Hazards:** Will not burn but if involved in a fire may evolve toxic fumes including ammonia.

**Protective Equipment** : Full breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES**

Clean up spillage promptly.

**Precautions:** Prevent from entering drains and water courses.

**Containment:** Sweep into suitable container and store in a safe place awaiting disposal.

**Protective equipment:** Overalls, impervious gloves, rubber boots, face shield or goggles.

## 7. HANDLING AND STORAGE

**Handling:** Avoid excessive generation of dust. Avoid unnecessary exposure to the atmosphere to prevent moisture pick-up.

**Storage:** The basic requirements are the avoidance of contamination and involvement in a fire. Locate away from sources of heat, fire and explosion. Keep away from combustible materials and chemical materials and chemical substances, taking particular care on farms to ensure that it is not stored near hay, straw, grain, diesel or other combustible materials. Ensure a high standard of housekeeping in the storage areas. Do not permit smoking or the use of naked lights. Buildings used for storage should be dry and well ventilated. Stacks therein should be at least 1 metre from walls, eaves and beams. Further storage guidance is given in HSE Guidance IND (G) 230L.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

UK Occupational Exposure Standard – None Specified.

**Precautions** Wash hands and exposed skin after use. Keep away from children, fish and pets. Keep in original container, tightly closed, in a safe place.

**Occupational EXPOSURE Limits:** No specific official limits.  
AGGIH recommended value (1995-1996) for inhalable particulate. TLV/TWA 10mg/M2

**Precautionary and engineering measures:** avoid high dust concentrate and provide ventilation where necessary.

**Personal Protection:** Use approved dust respirators if airborne dust concentrations are high. Wear suitable gloves when handling the product over long periods. After handling the product wash hands and observe good hygiene practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light grey granules
Odour:	Odourless
Ph water solution (100g/l)	Usually >4.5
Bulk Density:	Normally between 900 – 1100kg/m3
Solubility in Water:	Soluble in water, extent depends on composition
Most formulations are hygroscopic.	

Analysis	Nitrogen (N)	12%
	Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> )	2%
	Potassium Oxide (K <sub>2</sub> O)	4%
	Ferrous sulphate	19.03%
	(as ferrous heptahydrate	33.7%)
	Mecoprop-P	0.562%
	2,4-D	0.562%

**10. STABILITY AND REACTIVITY**

Stability	Stable under normal conditions.
Conditions to avoid	Extreme temperatures.
Materials to avoid	None specific.
Hazardous decomposition products	Toxic fumes may be evolved if involved in a fire.

**11. TOXICOLOGICAL INFORMATION**

Acute toxicity	>2000mg/Kg. Considered to be non-toxic.
Irritancy skin	Non irritant
Irritancy eye	Slight irritant
Irritancy respiratory system	Slight irritant
Skin sensitization	Non sensitiser
Chronic effects	None known

**12. ECOLOGICAL INFORMATION**

Mobility	Fertiliser ingredients are partially soluble in water.
Persistence & degradability	Moderately degradable
Bioaccumulation potential	None known
Ecotoxicity	Non ecotoxic

**13. DISPOSAL CONSIDERATIONS**

Dispose of via the Local Waste Authority or licensed waste disposal contractor. Do not contaminate waterways.

**14. TRANSPORT INFORMATION**

Sin Number: Not classified as hazardous under transport regulations.  
Class Number: Not classified as hazardous under transport regulations.

**15. REGULATORY INFORMATION**

PSD UK Approval: MAPP 10794  
PCS ROI Approval: PCS No. O1687

FOR USE ONLY AS A HOME GARDEN LAWN TREATMENT  
For use on lawns

Protection during use/in use: KEEP OFF SKIN • WASH HANDS AND EXPOSED SKIN AFTER USE •  
If swallowed seek medical advice immediately and show this container or label • DO NOT  
REMOVE INNER LINER

Other General Protection: Keep away from children and pets • Contains 2,4-D, may produce an allergic reaction

Environmental Protection: HARMFUL TO FISH OR OTHER AQUATIC LIFE This product contains substances which are known to be hazardous to the environment. Do not contaminate waterbodies or watercourses with chemical or used container



Storage and Disposal: KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place away from damp • EMPTY CONTAINER COMPLETELY and dispose of safely • Do not empty into drains • Do not contaminate water with the product or its container • Dispose of unused product and its container at a household waste site (civic amenity site). Contact your local council (local authority) for details • Dispose of only empty (or rinsed) container in the dustbin

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To avoid risks to man and the environment, comply with the instruction for use  
This product is approved under the Control of Pesticides Regulations 1986

#### 16. OTHER INFORMATION

The information contained in the Safety data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as warranty or as a specification. Recipients of our products must take responsibility for observing laws and regulations. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein. Westland disclaims any liability for loss or damage resulting from the use of this data, information or suggestions.

RECOMMENDED USE –FOR USE AS A HOME GARDEN LAWN TREATMENT

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