



# Material Safety Data Sheet

According to EC Regulation 1907/2006

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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

### Identification of the substance or preparation

MSDS Ref. No.: A-20326  
 Product name: Landscaper Pro Weed Control + Fertilizer  
 Product code: UKS 118

### Use of the Substance/Preparation

**Recommended use:** For use only as a horticultural turf treatment.

**Company/Undertaking Identification** • Scotts UK Professional, Paper Mill Lane, Bramford, Ipswich, Suffolk IP8 4BZ  
 United Kingdom

**Emergency telephone number:** • ++44 (0) 1865 407333 (24h)

**Email** INFO-MSDS@Scotts.com

## 2. HAZARDS IDENTIFICATION

### Classification

The product has been classified according to the Chemicals (Hazard Information and Packaging for Supply) Regulations [CHIP 3].

### Most important hazards

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Chemical nature of the preparation

Components	CAS-No	Weight %	EC-No.	Classification
2,4-Dichlorophenoxyacetic acid (2,4-D)	94-75-7	< 1%	607-039-00-8	R43 R52/53 Xi;R37-41 Xn;R22

Components	CAS-No	Weight %	EC-No.	Classification
Dicamba	1918-00-9	< 1%	607-043-00-X	R52/53 Xi;R41 Xn;R22
Hexylene glycol	107-41-5	1 - 5%	603-053-00-3	Xi; R36/38
Urea, N`-(4-chlorophenyl)-N-methoxy-N-methyl-	1746-81-2	10 - 25%	006-032-00-1	N;R50-53 Xn;R22-48/22

NE = Non-Established

***For the full text of the R phrases mentioned in this Section, see Section 16***

#### 4. FIRST AID MEASURES

<b>General advice:</b>	Contains 2,4-D. May produce an allergic reaction.
<b>Ingestion:</b>	If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting.
<b>Inhalation:</b>	Move person to fresh air. If symptoms persist, call a physician.
<b>Skin contact:</b>	Remove and wash contaminated clothing before re-use.
<b>Eye contact:</b>	Rinse immediately with plenty of water, also under the eyelids. If symptoms persist, call a physician.

#### 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	Coordinate fire extinguishing measures to fire in surrounding area
<b>Unsuitable extinguishing media:</b>	Not applicable
<b>Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases:</b>	Danger of toxic gases in smoke in case of fire
<b>Special protective equipment for firefighters:</b>	Use personal protective equipment. In the event of fire, wear self-contained breathing apparatus.
<b>Specific methods:</b>	Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Wear personal protective equipment.
<b>Environmental precautions:</b>	Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.

**Methods for cleaning up:**

Sweep up and shovel into suitable containers for disposal. Avoid dust formation.

**7. HANDLING AND STORAGE****Handling:****Technical measures/precautions:**

Ensure adequate ventilation.

**Safe handling advice:**

Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Do not smoke. Wash off splashes (immediately). Wash hands and exposed skin after use / handling.

**Storage:****Technical measures/storage conditions:**

Store in original container. Keep tightly closed in a dry and cool place. Protect from extreme temperatures. Keep away from food, drink and animal feeding stuffs. Keep out of reach of children.

**Incompatible products:**

None known

**Specific use(s):**

Turf treatment.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Engineering measures to reduce exposure:**

Read and follow label instructions.

**Occupational exposure controls****Personal protective equipment****Respiratory protection:**

Respirator with FFP3 filter.

**Hand protection:**

Protective gloves. Nitrile rubber.

**Eye/face protection**

Face-shield.

**Skin and body protection:**

Coveralls .

**Hygiene measures**

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Wash hands and exposed skin after use / handling.

**Exposure limit values****2,4-Dichlorophenoxyacetic acid (2,4-D)**

Belgium - 8 Hr VLE

10mg/m<sup>3</sup>

Finland - Occupational Exposure Limits - 8 hour

10 mg/m<sup>3</sup> TWA

France INRS (VME)

10 mg/m<sup>3</sup> VME

Germany TRGS900:

1 E mg/m<sup>3</sup>

Germany (DFG) - MAK

1 mg/m<sup>3</sup> MAK

Netherlands - OEL - MACs:

10mg/m<sup>3</sup>

Norway - 8 h:

5 mg/m<sup>3</sup> TWA

Portugal - TWAs

10mg/m<sup>3</sup>

Spain - Valores Limite Ambientales - VLE

10 mg/m<sup>3</sup> VLA-ED

UK EH40 WEL:

LTEL (8hr TWA): 10mg/m<sup>3</sup>STEL (15 min.): 20mg/m<sup>3</sup>

*Hexylene glycol*

Finland - Occupational Exposure Limits - 8 hour	120 mg/m <sup>3</sup> TWA 25 ppm TWA
France - Valeurs Limites d'exposition (VLE)	125 mg/m <sup>3</sup> VLCT 25 ppm VLCT
Germany TRGS900:	125 mg/m <sup>3</sup>
Germany (DFG) - MAK	10 ppm MAK 49 mg/m <sup>3</sup> MAK
UK EH40 WEL:	123 mg/m <sup>3</sup> TWA 25 ppm TWA

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**General Information**

Physical State:	Solid
Color:	Light grey
Odor:	None

**Important Health Safety and Environmental Information**

Flash point:	Does not flash
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**Other information**

Specific gravity:	0.6g/ml
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## 10. STABILITY AND REACTIVITY

Stability:	Stable at normal conditions
Conditions to avoid:	None known.
Materials to avoid:	Ferrous metals.
Hazardous decomposition products:	No decomposition if stored normally

## 11. TOXICOLOGICAL INFORMATION

**Component information***2,4-Dichlorophenoxyacetic acid (2,4-D)*

LD50/oral/rat =	639-764mg/kg
LC50/inhalation/8h/rat =	>1.79mg/l
LD50/dermal/rat =	>1600mg/kg

*Dicamba*

LD50/oral/rat =	1707mg/kg
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LD50/dermal/rabbit = >2000mg/kg  
 LC50/inhalation/4h/rat = >9.6mg/l

**Product information****Local effects**

**Skin effects:** May cause skin irritation in susceptible persons.  
**Eye effects:** Contact with eyes may cause irritation.  
**Inhalation:** Not irritating.  
**Ingestion:** Not irritating.  
**Sensitization:** May cause sensitization by skin contact.

**12. ECOLOGICAL INFORMATION****Product information**

**Aquatic toxicity:** Harmful to aquatic organisms  
 May cause long-term adverse effects in the aquatic environment

**Component information**

*2,4-Dichlorophenoxyacetic acid (2,4-D)*

**Ecotoxicity effects** LC50/96h/rainbow trout = >100mg/l

*Dicamba*

**Ecotoxicity effects** EC50/48h/daphnia = 110mg/l  
 LC50/96h/rainbow trout = >135mg/l

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Methods:** Dispose of unused product in its container at a household waste site (civic amenity site). Contact your local council (local authority) for details..

**Contaminated packaging:** Do not re-use empty containers. Dispose of in accordance with local regulations and national regulations.

**14. TRANSPORT INFORMATION****Product information**

**Physical State:** Solid

**14. TRANSPORT INFORMATION****ADR/RID****UN-No:** Not classified for transport**IATA****UN-No:** N.A.**IMO / IMDG****UN-No:** Not classified for transport**15. REGULATORY INFORMATION****Indication of danger:**

The product has been classified according to the Chemicals (Hazard Information and Packaging for Supply) Regulations [CHIP 3].

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

**Labelling**

Contains 2,4-D. May produce an allergic reaction

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**S -phrase(s)**

S 2 - Keep out of the reach of children.

Wash hands and exposed skin after use / handling. Keep away from children and pets. Harmful to fish or other aquatic organisms, do not contaminate ponds or streams. Dispose of empty container in the dustbin. Dispose of unused product in its container at a household waste site (civic amenity site). Contact your local council (local authority) for details.

**Registration number UK/Eire**

MAPP 14128 PCS 03724

**16. OTHER INFORMATION****Text of R Phrases mentioned in Section 3**

R22 - Harmful if swallowed.

R37 - Irritating to respiratory system.

R41 - Risk of serious damage to eyes.

R43 - May cause sensitization by skin contact.

R36/38 - Irritating to eyes and skin.

R48/22 - Harmful: danger of serious damage to health by prolonged exposure if swallowed.

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**16. OTHER INFORMATION**

**Reason for revision:**

\*\*\* Indicates changes since the last revision. This version replaces all previous versions

**Prepared by:**

Regulatory Affairs Department.

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**End of Safety Data Sheet**