



Material Safety Data Sheet

According to EC Directive 1907/2006

Print date: 16-Apr-2008

Revision Number: 2

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

Identification of the substance or preparation

MSDS Ref. No.: 4370.01.10
Product name: Onkruidbestrijder met gazonmest/LANDSCAPE WEED AND FEED

Use of the Substance/Preparation

Recommended use: Pesticide. Fertilizer.

Company/Undertaking Identification

- Scotts International BV
Nijverheidsweg 1-5
6422 PD Heerlen (NL)
Tel: ++31 (0) 45-5609100
Fax: ++31 (0) 45-5609190

Emergency telephone number: • +44 (0)208 762 8322 (24h)

Email: INFO-MSDS@Scotts.com

2. HAZARDS IDENTIFICATION

Classification

The product is non-dangerous in accordance with Directive 1999/45/EC

Most important hazards

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature of the preparation

Components	CAS-No	Weight %	EC-No.	Classification
Dicamba	1918-00-9	< 1%	607-043-00-X	R52/53 Xi;R41 Xn;R22

**Onkruidbestrijder met
gazonmest/LANDSCAPE WEED AND
FEED**

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

NE = Non-Established

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

4. FIRST AID MEASURES

General advice:	If symptoms persist, call a physician.
Ingestion:	Possible symptoms are coughing and/or dyspnoea. Never give anything by mouth to an unconscious person.
Inhalation:	Possible symptoms are coughing and/or dyspnoea. If breathing is difficult, give oxygen.
Skin contact:	If skin irritation persists, call a physician.
Eye contact:	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Coordinate fire extinguishing measures to fire in surrounding area.
Unsuitable extinguishing media:	Not applicable
Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases:	Danger of toxic gases in smoke in case of fire.
Special protective equipment for firefighters:	In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus. Evacuate area and fight fire from a safe distance. The product is not flammable.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Avoid dust formation. Use personal protective equipment. Avoid contact with skin and eyes.
Environmental precautions:	Prevent product from entering drains. Do not contaminate surface water.
Methods for cleaning up:	Shovel or sweep up.

7. HANDLING AND STORAGE

Handling:**Technical measures/precautions:**

Provide appropriate exhaust ventilation at places where dust is formed. Avoid dust formation.

Safe handling advice:

Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink.

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

For quality reasons: Keep out of reach of direct sunlight, store under dry conditions, partly used bags should be closed well. Keep at temperatures between 0 °C and 40 °C .

Incompatible products:

No special restrictions on storage with other products

Specific use(s):

Granulated fertilizer.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:

Ensure adequate ventilation.

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

In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection:

Pvc disposable gloves.

Eye/face protection

Safety glasses.

Skin and body protection:

Usual safety precautions while handling the product will provide adequate protection against this potential effect.

Hygiene measures

Follow good housekeeping practices. When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs.

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

Belgium - 8 Hr VLE	10mg/m ³
Finland - Occupational Exposure Limits - 8 hour	10 mg/m ³ TWA
France INRS (VME)	10 mg/m ³ VME
Germany TRGS900:	1 E mg/m ³
Germany (DFG) - MAK	1 mg/m ³ MAK
Netherlands - OEL - MACs:	10mg/m ³
Norway - 8 h:	5 mg/m ³ TWA
Portugal - TWAs	10mg/m ³
Spain - Valores Limite Ambientales - VLE	10 mg/m ³ VLA-ED
UK EH40 WEL:	LTEL (8hr TWA): 10mg/m ³ STEL (15 min.): 20mg/m ³

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Physical State: Solid
Appearance: Granular
Color: Grey, Brownish
Odor: hydrocarbon-like

Important Health Safety and Environmental Information

Bulk density: 350 - 600 kg/m³

Other information

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.
Conditions to avoid: No information available
Materials to avoid: No information available
Hazardous decomposition products: No decomposition if stored normally. Thermal decomposition can lead to release of irritating gases and vapours.
Polymerization: None under normal processing.

11. TOXICOLOGICAL INFORMATION

Component information

Dicamba

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

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

Product information

LD50/dermal/rabbit = > 2 g/kg
LD50/oral/rat = > 5 g/kg

Local effects

Skin effects: May cause skin irritation in susceptible persons.

Eye effects: Contact with eyes may cause irritation.

Inhalation: May cause sensitization by inhalation.

Ingestion: Symptoms of poisoning : nausea, vomiting, diarrhoea, miosis, abdominal cramps, muscular weakness, bronchial hypersecretion, dyspnea, anxiety, confusion, convulsions.

12. ECOLOGICAL INFORMATION

Product information

Aquatic toxicity:

No information available.

Water Endangering Class (WGK): 2 (Scotts classification)

Component information

Dicamba

Ecotoxicity effects

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

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

Ecotoxicity effects

LC50/96h/rainbow trout = >100mg/l

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Use up product completely. Packaging material is industrial waste

Contaminated packaging: Empty containers can be landfilled, when in compliance with the local regulations

14. TRANSPORT INFORMATION

Product information

Physical State: Solid

ADR/RID

UN-No: Not classified for transport

IATA

IMO / IMDG

UN-No: Not classified for transport

15. REGULATORY INFORMATION

Indication of danger:

This product does not have to be classified according to the EU regulations.

Labelling

May produce an allergic reaction

16. OTHER INFORMATION

Text of R Phrases mentioned in Section 3

R22 - Harmful if swallowed.

R41 - Risk of serious damage to eyes.

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

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