



# Material Safety Data Sheet

According to EC Directive 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.: 4370.01.10  
Product name: Onkruidbestrijder met gazonmest/LANDSCAPE WEED AND FEED

### Use of the Substance/Preparation

#### Company/Undertaking Identification

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## 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

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

#### 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>	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

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

## 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/m <sup>3</sup>
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### 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.
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<b>Eye effects:</b>	Contact with eyes may cause irritation.
<b>Inhalation:</b>	May cause sensitization by inhalation.
<b>Ingestion:</b>	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 = &gt;135mg/l

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

LC50/96h/rainbow trout = &gt;100mg/l

## 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal Methods:</b>	Use up product completely. Packaging material is industrial waste
<b>Contaminated packaging:</b>	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**