

# MATERIAL SAFETY DATA SHEET

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Revision nr : 2

Date : 14/6/2002

## LUXAN DICHLOBENIL GRANULES

Supersedes : 2/8/2001

**0630-0049**

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### 1. Identification of the product and the company

**Name** : LUXAN DICHLOBENIL GRANULES.  
Chemical description active ingredient(s) : 2,6-dichlorobenzonitrile  
Identification of the product : Granules  
Chemical family : Benzonitriles  
GCPF code : GR (Granule)  
Company identification : LUXAN B.V.  
Industrieweg 2  
6662 PA ELST (GLD.) Nederland  
Tel. +31 481 36 08 11  
Fax +31 481 37 67 34  
E-mail : luxan@luxan.nl

Use : Agriculture ( Herbicide. )  
Anti-poison center - Tel. : NL : 030 274 88 88 (This telephone number is only available for the doctor in attendance).

B : 070 245 245  
D : 049 89 19 240  
E : 091 56 20 420  
F : 01 40 05 48 48  
UK : 0121 554 38 01

Print date : 10/12/2003

### 2. Information on ingredients

Substance/preparation : Preparation  
Other information : This product is considered not to be harmful but yet it contains a harmful component.  
Composition : Below mentioned are the classified components in the formulation.

Substance name	Value(s)	CAS nr / EINECS nr / EC index	Symbol(s)	R-Phrase(s)
Dichlobenil (ISO)	: 6.75 %	001194-65-6 / 214-787-5 / 608-015-00-X	Xn N	21-51/53
<i>Solubility in water</i>	:	<i>Insoluble.</i>		
<i>Melting point [°C]</i>	:	<i>145</i>		
<i>Rat oral LD50 [mg/kg]</i>	:	<i>&gt; 2000</i>		
<i>Percutaneous (rat) LD50 [mg/kg]</i>	:	<i>&gt; 2000</i>		
<i>Rat inhalation LC50 [mg/l/4h]</i>	:	<i>&gt; .25</i>		
<i>OEL mg/m3</i>	:	<i>No data available.</i>		
<i>LC50-96 Hour - fish [mg/l]</i>	:	<i>5 - 13</i>		
<i>EC50-48H-Daphnia Magna mg/l</i>	:	<i>6.2</i>		
<i>IC50-72H-Algae mg/l</i>	:	<i>2.7</i>		

### 3. Hazards identification

Physical/chemical hazards : The data available do not support any physical or chemical hazard.  
Product sublimates. This product is not easy combustible.  
Human health hazards : Can enter the body by ingestion or inhalation (of dust) or through the (wet) skin.  
Environmental hazard : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 4. First aid measures

#### Effects and symptoms

General : Can enter the body by ingestion or inhalation (of dust) or through the (wet) skin.  
Inhalation : Harmful. No specific effects and/or symptoms have been reported.  
Ingestion : Weakness. Lack of appetite.  
Skin contact : Harmful. No specific effects and/or symptoms have been reported.  
Eye contact : No specific effects and/or symptoms have been reported.

#### LUXAN B.V.

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### 4. First aid measures (continued)

#### First-aid measures

General information	: Treat symptomatically. If you feel unwell seek medical advice (show the label where possible).
- Inhalation	: Remove victim to fresh air. Allow the victim to rest. Seek medical attention if ill effect develops.
- Ingestion	: Wash out mouth with plenty of water. Allow the victim to rest. Never give anything by mouth to an unconscious person. Administer an aqueous slurry of activated charcoal. Induce vomiting. Seek medical attention immediately.
- Skin contact	: Remove contaminated clothing and shoes. Wash skin with soap and water. Seek medical attention if ill effect or irritation develops.
- Eye contact	: Remove contact lenses if present. Rinse immediately with plenty of water. With the eyelid wide open for at least 15 minutes. Obtain medical attention if pain, blinking, tears or redness persist.
Protection of first aiders	: Avoid exposure. Wear suitable protective clothing and gloves. In case of insufficient ventilation, wear suitable respiratory equipment.
Note to physician	: No specific antidote known.

### 5. Fire - fighting measures

Extinguishing media	: Dry chemical. Water. Foam. Carbon dioxide.
Special procedures	: Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.
Hazardous thermal (de)composition products	: Burning may produce: toxic and corrosive vapours/gases. See also Heading 10 (Stability and reactivity).
Protection of fire fighters	: Wear suitable protective clothing. Self-contained breathing apparatus with full face shield. Fight fire from safe distance and protected location.

### 6. Accidental release measures

Personal precautions	: Ventilation required. In the event of major spillage evacuate room. Wear suitable protective clothing, gloves, eye/face protection and respiratory protection.
Environmental precautions	: Prevent dispersion. Prevent formation of clouds of dust. Collect spilled material. Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters. Provision for collection extinguishing water after fires.
Methods for cleaning up	: Prevent dispersion. Collect spills and put it into appropriated container. Remove as chemical waste, bij national or local legislation.
After spillage and/or leakage	: Collect spills and put it into appropriated container. Remove as chemical waste, bij national or local legislation.

### 7. Handling and storage

<b>General</b>	: <b>Read label before use.</b>
Handling	: When using, do not eat, drink or smoke. Do not breathe dust. Wear suitable protection.
Storage	: Keep out of reach of children. Keep away from food, drink and animal feeding stuffs. Store in a frost-free, dry, cool, well-ventilated area. According to national or local legislation.
Packaging material	: Use original packaging

### 8. Exposure controls / personal protection

Engineering measures	: Ventilation required.
Hygiene measures	: When using, do not eat, drink or smoke. Wash hands and face with soap and water before the break. Shower after work. Wear clean working clothes every day.
Occupational Exposure Limits	: No occupational exposures limits have been established.
<b>Personal protection</b>	
- Respiratory protection	: In the event of possible exposure: respiratory equipment.

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### 8. Exposure controls / personal protection (continued)

- Skin protection : Working clothes.
- Hand protection : Neoprene gloves.
- Eye protection : In the event of possible exposure: eye protection.
- Ingestion : When using, do not eat, drink or smoke.
- Other information : Product sublimates.

### 9. Physical and chemical properties

- Physical state : Granules
- Colour : Light brown.
- Odour : Bitter almond
- pH value : 7.5-8.5 (1% aqueous dispersion)
- Solubility in water : Insoluble.
- Relative vapour density (air=1) : 10.9
- Flash point [°C] : Not applicable.
- Boiling point [°C] : Not applicable.
- Bulk density : +/- 1500 kg/m<sup>3</sup>
- Log P octanol / water at 20°C : No data available.

### 10. Stability and reactivity

- Stability : Stable under normal circumstances.
- Hazardous decomposition products : Burning may produce e.g. : Chlorine compounds. Nitrogen oxides. Carbon monoxide. Hydrogen cyanide. Hydrocarbons.
- Hazardous reactions : Will not occur.
- Materials to avoid : Strong bases.
- Hazardous properties : None under normal conditions.
- Conditions to avoid : No specific conditions.
- Hazardous Polymerization : Will not occur.

### 11. Toxicological information

#### On product

- Rat oral LD50 [mg/kg] : > 5000
- Percutaneous (rat) LD50 [mg/kg] : > 5000
- Rat inhalation LC50 [mg/l/4h] : No data available.
- Other : Not toxic to bees.
- On ingredients : See Heading 2 (Information on ingredients).

### 12. Ecological information

- On product : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
Further data not available.
- On ingredients : See Heading 2 (Information on ingredients).

### 13. Disposal considerations

- Waste-disposal procedures : Prevent dispersion. Remove waste product to a suitable incinerator. According to national or local legislation.
- Waste of residues : Keep waste separate. Remove as chemical waste, bij national or local legislation.
- Contaminated packaging : Keep waste packaging separate. Remove as chemical waste, bij national or local legislation.

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### 14. Transport information

General information : Free for transport regulations.

### 15. Regulatory information

#### EU Regulations

#### EU Classification

(67/548/EEC-88/379/EEC)

#### Warning phrases

R Phrase(s) : R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### Safety phrases

S Phrase(s) : S02 - Keep out of the reach of children.  
S13 - Keep away from food, drink and animal feedingstuffs.  
S20/21 - When using, do not eat, drink or smoke.  
S35 - This material and its container must be disposed of in a safe way.  
S45 - In case of accident or if you feel unwell, seek medical advice immediately ( show the label when possible).

Symbol(s)



### 16. Other information

Luxan code : WA

Comp. Code : 0

Explanation of employed R-phrases in this document : R21 - Harmful in contact with skin.  
R52 - Harmful to aquatic organisms.  
R51 - Toxic to aquatic organisms.  
R53 - May cause long-term adverse effects in the aquatic environment.Sources of key data used : - EaSI-View, European Substance Information, Royal Haskoning  
- Handboek bestrijdingsmiddelen, gebruik & milieu-effecten van J.P. van Rijn, N.M. van Straalen en J.Willems.  
- The Pesticide Manual, 12th edition.  
- Files Luxan B.V.

The contents and format of this MSDS are in accordance with EC Commission Directive 93/112/EEC, 99/45/EC and 2001/58/EC.

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