

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 19.05.2010  
Product: **PYRAMIN® WG**

Version: 1.0

119 33 H  
(30348367/SDS\_CPA\_AU/EN)

Date of print 20.05.2010

## 1. Substance/preparation and company identification

### **PYRAMIN® WG**

Use: crop protection product, herbicide

Company:

BASF Australia Limited (ABN 62 008 437 867)  
Level 12, 28 Freshwater Place Southbank  
Victoria 3006, AUSTRALIA  
Telephone: +61 3 8855-6600  
Telefax number: +61 3 8855-6511

Emergency information:

BASF Emergency Advice Number: 1800 803 440 (24h) [within Australia]  
BASF Emergency Advice Number: + 61 3 8855 6666 [outside Australia]

## 2. Hazard identification

HAZARDOUS SUBSTANCE, DANGEROUS GOOD

Harmful by inhalation and if swallowed.

May cause sensitization by skin contact.

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

Keep out of the reach of children.

Keep away from food, drink and animal feeding stuffs.

When using do not eat, drink or smoke.

Avoid contact with skin.

This material and its container must be disposed of in a safe way.

Wear suitable gloves.

If swallowed, seek medical advice immediately and show this container or label.

Use appropriate container to avoid environmental contamination.

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### 3. Composition/information on ingredients

#### Chemical nature

crop protection product, herbicide, water dispersible granules

#### Hazardous ingredients

chloridazon

Content (W/W): 65 %  
CAS Number: 1698-60-8  
Hazard symbol(s): Xi, N  
R-phrase(s): 43, 50/53

sodium diisobutyl naphthalene sulphonate

Content (W/W): 1 %  
CAS Number: 27213-90-7

The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

### 4. First-Aid Measures

General advice:

Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

On skin contact:

Wash thoroughly with soap and water.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Note to physician:

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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### 5. Fire-Fighting Measures

Suitable extinguishing media:

water spray, dry powder, foam, carbon dioxide

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**Specific hazards:**

carbon monoxide, hydrogen chloride, nitrogen oxides, organochloric compounds  
The substances/groups of substances mentioned can be released in case of fire.

**Special protective equipment:**

Wear self-contained breathing apparatus and chemical-protective clothing.

**Further information:**

In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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## 6. Accidental Release Measures

**Personal precautions:**

Use personal protective clothing. Avoid dust formation. Avoid contact with skin and eyes.

**Environmental precautions:**

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

**Methods for cleaning up or taking up:**

For large amounts: Contain with dust binding material and dispose of.

For residues: Sweep/shovel up.

Cleaning operations should be carried out only while wearing breathing apparatus. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Collect waste in suitable containers, which can be labeled and sealed. Incinerate or take to a special waste disposal site in accordance with local authority regulations.

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## 7. Handling and Storage

Handling

No special measures necessary provided product is used correctly. Ensure thorough ventilation of stores and work areas.

**Protection against fire and explosion:**

Avoid dust formation. Dust can form an explosive mixture with air. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

Storage

Segregate from foods and animal feeds.

Further information on storage conditions: Keep away from heat. Protect against moisture.

**Storage stability:**

Storage duration: 60 Months

Protect from temperatures below: -10 °C

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Protect from temperatures above: 40 °C  
Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

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## 8. Exposure controls and personal protection

### Components with workplace control parameters

no exposure standard allocated

### Personal protective equipment

#### Respiratory protection:

Breathing protection if breathable aerosols/dust are formed. Suitable respiratory protection for higher concentrations or long-term effect: Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

#### Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other

#### Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

#### Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

#### General safety and hygiene measures:

The statements on personal protective equipment in the instructions for use apply when handling crop-protection agents in final-consumer packing. Avoid contact with the skin, eyes and clothing. Wearing of closed work clothing is recommended. Hands and/or face should be washed before breaks and at the end of the shift. Take off immediately all contaminated clothing. Store work clothing separately. Wash contaminated clothing before reuse. Keep away from food, drink and animal feeding stuffs. No eating, drinking, smoking or tobacco use at the place of work.

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## 9. Physical and Chemical Properties

Form: granules  
Colour: brown  
Odour: faint specific odour

pH value: approx. 8.7 - 9.6  
(5 g/l, 20 °C)  
approx. 9 - 9.5  
(20 g/l, 20 °C)

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Melting point:	The substance / product decomposes therefore not determined.	
Flash point:	not applicable	
Flammability:	not highly flammable	(Directive 92/69/EEC, A.10)
Self ignition:	not self-igniting	(Method: Directive 92/69/EEC, A.16)
Minimum ignition energy:	> 1.3 J	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	negligible	
Density:	1.418 g/cm <sup>3</sup> (20 °C)	(OECD Guideline 109)
Relative density:	1.418 (20 °C)	(OECD Guideline 109)
Bulk density:	approx. 571 - 656 kg/m <sup>3</sup> (20 °C)	
Solubility in water:	dispersible	
Surface tension:	55.1 mN/m (20 °C)	(Directive 92/69/EEC, A.5, Plate method)
	51.1 mN/m (20 °C)	(Directive 92/69/EEC, A.5, Plate method)
	45.6 mN/m (20 °C)	(Directive 92/69/EEC, A.5, Plate method)

## 10. Stability and Reactivity

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:  
strong oxidizing agents

Corrosion to metals: Corrosive effects to metal are not anticipated.

Hazardous reactions:  
No hazardous reactions if stored and handled as prescribed/indicated.  
The product is chemically stable.

Hazardous decomposition products:  
No hazardous decomposition products if stored and handled as prescribed/indicated.

## 11. Toxicological Information

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### **Acute toxicity**

LD50 rat (oral): 1,160 mg/kg (OECD Guideline 401)

LC50 rat (by inhalation): 3.28 mg/l 4 h (OECD Guideline 403)  
An aerosol was tested.

LD50 rat (dermal): > 2,000 mg/kg (OECD Guideline 402)

### **Irritation**

Primary skin irritation rabbit: non-irritant (OECD Guideline 404)

Primary irritations of the mucous membrane rabbit: non-irritant (OECD Guideline 405)

### **Sensitization**

Mouse Local Lymph Node Assay (LLNA) mouse: Caused skin sensitization in animal studies. (OECD Guideline 429)

### **Genetic toxicity**

Information on: chloridazon  
Assessment of mutagenicity:  
No mutagenic effect was found in various tests with microorganisms and mammals.  
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### **Other relevant toxicity information**

Misuse can be harmful to health.

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## **12. Ecological Information**

### **Ecotoxicity**

Toxicity to fish:  
LC50 (96 h) 50 mg/l, *Oncorhynchus mykiss* (OECD 203; ISO 7346; 92/69/EEC, C.1, static)

Aquatic invertebrates:  
EC50 (48 h) 79.5 mg/l, *Daphnia magna* (OECD Guideline 202, part 1, static)

Aquatic plants:  
EC50 (72 h) 4.01 mg/l (growth rate), *Pseudokirchneriella subcapitata* (OECD Guideline 201)

### **Persistence and degradability**

Information on: chloridazon  
Assessment biodegradation and elimination (H<sub>2</sub>O):  
Not readily biodegradable (by OECD criteria).  
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### **Bioaccumulation potential**

Information on: chloridazon

Bioaccumulation potential:

No significant accumulation in organisms is expected as a result of the distribution coefficient of n-octanol/water (log Pow).

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### **Additional information**

Other ecotoxicological advice:

Do not discharge product into the environment without control.

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## **13. Disposal Considerations**

Must be dumped or incinerated in accordance with local regulations.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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## **14. Transport Information**

### **Domestic transport:**

Hazard class: 9  
Packing group: III  
ID number: UN 3077  
Hazard label: 9, EHSM  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(contains CHLORIDAZON)

### **Further information**

Hazchem Code:2Z

IERG Number:47

### **Sea transport**

IMDG

Hazard class: 9  
Packing group: III  
ID number: UN 3077  
Hazard label: 9, EHSM  
Marine pollutant: YES  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
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### **Air transport**

IATA/ICAO

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Hazard class:	9
Packing group:	III
ID number:	UN 3077
Hazard label:	9, EHSM
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains CHLORIDAZON)

**Further information**

Environmentally Hazardous Substances meeting the description of UN 3077 or UN 3082 are not subjected to the Australian Dangerous Goods Code when transported by road or rail in packagings not exceeding 500 Kg or 500 L.

**15. Regulatory Information**

Poisons Schedule: Not scheduled

**Regulations of the European union (Labelling)****EEC Directives:****Hazard symbol(s)**

Xn	Harmful.
N	Dangerous for the environment.

**R-phrase(s)**

R20/22	Harmful by inhalation and if swallowed.
R43	May cause sensitization by skin contact.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**S-phrase(s)**

S2	Keep out of the reach of children.
S13	Keep away from food, drink and animal feeding stuffs.
S20/21	When using do not eat, drink or smoke.
S24	Avoid contact with skin.
S35	This material and its container must be disposed of in a safe way.
S37	Wear suitable gloves.
S46	If swallowed, seek medical advice immediately and show this container or label.
S57	Use appropriate container to avoid environmental contamination.

Hazard determining component(s) for labelling: SODIUM DIISOBUTYL NAPHTHALENE SULPHONATE, CHLORIDAZON

**Other regulations**

For the user of this plant-protective product applies: 'To avoid risks to man and the environment, comply with the instructions for use.' (Directive 1999/45/EC, Article 10, No. 1.2)

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**Registration status:**

AICS, AU

blocked / registration status not clarified

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**16. Other Information**

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 3:

Xi	Irritant.
N	Dangerous for the environment.
43	May cause sensitization by skin contact.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.