

# Safety Data Sheet

**BASF Safety Data Sheet**  
Date / Revised: 05.04.2006 Version: 2.0 (NZ 0136)  
Product: BASAGRAN

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## 1. Substance / preparation and company identification

### **BASAGRAN**

Use: crop protection product, herbicide

Company:

BASF New Zealand Limited  
3 Airpark Drive, Airport Oaks, Manukau  
P.O. Box 407, Auckland 1015  
Phone: + 64 9 255 4300  
Fax: + 64 9 255 4307  
E-mail address: reception@basf-nz.co.nz

Emergency information:

**National Poisons Centre: 0800 764 766**

BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)

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## 2. Hazard identification

Harmful if swallowed.

May cause sensitization by skin contact.

May cause long-term adverse effects in the aquatic environment.

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## 3. Composition/information on ingredients

Chemical nature

crop protection product, water-soluble concentrate (SL), herbicide

Contains: bentazone-sodium

Hazardous ingredients

| bentazone

Content (W/W): 40.3 %

CAS Number: 25057-89-0

EC-Number: 246-585-8

INDEX-Number: 613-012-00-1

Hazard symbol(s): Xn

R-phrases: 22, 36, 43, 52/53

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

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## 4. First-aid measures

### General advice:

Avoid contact with the skin, eyes and clothing. Take off immediately all contaminated clothing. If difficulties occur: Obtain medical attention. Show container, label and/or safety data sheet to physician.

### If inhaled:

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

### On skin contact:

After contact with skin, wash immediately with plenty of water and soap. If irritation develops, seek medical attention.

### On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

### On ingestion:

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control centre or doctor. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

### 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, carbon dioxide, foam, dry extinguishing media

### Specific hazards:

carbon monoxide, nitrogen oxides, sulphur oxides

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:

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 contact with the skin, eyes and clothing. Remove contaminated clothes, undergarments and shoes immediately.

**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 small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

For large amounts: Dike spillage. Pump off product.

Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labelled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

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## **7. Handling and storage**

### Handling

No special measures necessary if stored and handled correctly.

**Protection against fire and explosion:**

No special precautions necessary. The substance/product is non-combustible. Product is not explosive.

### Storage

Segregate from foods and animal feeds.

Further information on storage conditions: Keep away from heat. Protect from direct sunlight.

**Storage stability:**

Storage duration: 60 Months

Protect from temperatures below: 0 °C

The product can crystallize below the limit temperature.

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**

### Personal protective equipment

**Respiratory protection:**

Respiratory protection not required.

**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) (f.e. 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 DIN-EN 465).

**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. Take off immediately all contaminated clothing.

Store work clothing separately. Keep away from food, drink and animal feeding stuffs. No eating, drinking, smoking or tobacco use at the place of work. Hands and/or face should be washed before breaks and at the end of the shift.

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## **9. Physical and chemical properties**

Form: solution, liquid

Colour: yellowish

brown

Odour: faint specific odour

pH value: 7.5 – 9 (measured with the undiluted substance)

crystallization temperature: -11 °C

Flash point: > 100 °C

No flash point - Measurement made up to the boiling point. (DIN/EN 22719; ISO 2719)

Fire promoting properties: not fire-propagating

Density: 1.16 - 1.22 g/cm<sup>3</sup> (20 °C)

Solubility in water: fully soluble

Surface tension: approx. 65.2 mN/m (20 °C; 0,4%) approx. 55.2 mN/m (20 °C; 3,3%)

Viscosity, dynamic: approx. 7.8 mPa.s (20 °C)

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## **10. Stability and reactivity**

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

Substances to avoid:

acids

Hazardous reactions:

No hazardous reactions if stored and handled as prescribed/indicated.

Hazardous decomposition products:

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

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## 11. Toxicological information

### Acute toxicity

LD50 rat male/female (oral): > 1,000 - < 2,000 mg/kg

LC50 rat male/female (by inhalation): > 4.8 mg/l 4 h

LD50 rat male/female (dermal): > 4,000 mg/kg

### Irritation

Primary skin irritation rabbit: non-irritant

Primary irritations of the mucous membrane rabbit: non-irritant

### Sensitisation

*Information on: bentazone tech.*

*Guinea pig maximization test: Caused sensitisation in animal studies.*

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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, > 100 mg/l, *Oncorhynchus mykiss*

Aquatic invertebrates:

LC50, 48 h, > 500 mg/l, *Daphnia magna*

Aquatic plants:

EC50, 72 h, 140 mg/l, *Agmenellum quadruplicatum*

### Persistence and degradability

Elimination information:

Not readily biodegradable (by OECD criteria).

### 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**

Not classified as a dangerous good under transport regulations ( ADR RID ADNR  
IMDG/GGVSee ICAO/IATA )

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### **15. Regulatory information**

#### **Regulations of the European union (Labelling) / National legislation/Regulations**

EEC Directives:

Xn Harmful.

R-phrase(s)

R22 Harmful if swallowed.

R43 May cause sensitisation by skin contact.

R53 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.

S37 Wear suitable gloves.

S46 If swallowed, seek medical advice immediately and show this container or label.

SPe 1.1 To protect groundwater/soil organisms do not apply bentazone or any other product containing bentazone more than 1,5 kg a.s./ha/year.

SP 1 Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

Hazard determinant component(s) for labelling: BENTAZON

#### **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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### **16. Other information**

Recommended use: herbicide

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 2:

Xn Harmful.

22 Harmful if swallowed.

36 Irritating to eyes.

43 May cause sensitization by skin contact.

52/53 Harmful 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.

**DISCLAIMER:** The information provided in this SDS is based upon sources believed to be accurate. However, BASF New Zealand Limited assumes no responsibility for the accuracy, completeness or suitability of this information. The product recipient/user is responsible for determining the suitability of this information for their particular purposes, and for observing existing laws and regulations.