

Safety Data Sheet

950118/04

Date of issue: April 14, 2003
Revised: April 14, 2003

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1. Identification of the substance/preparation and the company*Gaucho WS 70 (SDS Group)**

Application:
insecticide

Bayer CropScience AG, BCS-IOP-QHSE+Site Services
Material and Transport Safety Management
41538 Dormagen, Germany, Telephone: +49 2133 515012
In case of emergency: +49 214 30 99300 (Sicherheitszentrale Bayer AG)

***2. Composition/information on ingredients**

preparation contains

imidacloprid

weight %: 70

CAS No.: 138261-41-3

Index No.: --

hazard symbol: Xn

ELINCS No.: --

R-phrases: 22-52

alkylarylsulphonate

weight %: 3-4

CAS No.: 27213-90-7 / 91078-64-7

Index No.: --

hazard symbol: Xn

EINECS No.: 248-326-4

R-phrases: 20/22-36/38

alkyl polyglycol ether

weight %: approx. 2

CAS No.: 68213-23-0

Index No.: --

hazard symbol: Xi

EINECS No.: 500-201-8

R-phrases: 36

3. Hazards identification

Harmful if swallowed.

Harmful to aquatic organisms.

4. First-aid measures

GENERAL INFORMATION:

Remove patients from the danger zone. If there is a risk of unconsciousness, position and transport in stable lateral position. Remove soiled or soaked clothing immediately.

UPON INHALATION:

Call doctor immediately.

FOLLOWING SKIN CONTACT:

Wash skin immediately with copious amounts of water and soap.

FOLLOWING EYE CONTACT:

Rinse eyes thoroughly with water. Consult an eye specialist.

UPON SWALLOWING:

Call emergency doctor immediately.

(to be continued)

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4. First-aid measures (Continuation)

INFORMATION FOR THE PHYSICIAN:

See Chapter 11 for information on toxicology.

The active ingredient listed in Chapter 2 belongs to the following chemical group: chloronicotinyl, syn. neonicotinoid.

Therapeutic measures: Basic aid, decontamination, symptomatic treatment.

For further recommendations see "Wirkstoffe in Pflanzenschutz- und Schädlingsbekämpfungsmitteln, Physikalisch-chemische und toxikologische Daten" (Active Ingredients in Crop Protection Products and Pesticides, Physico-Chemical and Toxicological Data). Published by Industrieverband Agrar e.V., D-60329 Frankfurt am Main, Germany 2000.

5. Fire-fighting measures

Extinguishing media: sprayed water jet, foam, extinguishing powder, CO₂, sand

Fight fire in early stages if safe to do so.

Wear respiratory protection.

Well ventilated areas: full face mask with combination filter, e.g. ABEK-P2 (offers no protection from carbon monoxide!)

Enclosed premises: respirator with independent air supply.

Contain firefighting water.

In the event of fire, the formation of hydrogen chloride, hydrogen cyanide, carbon monoxide and nitrogen oxides must be anticipated.

6. Accidental release measures

Use the personal protective equipment listed in Chapter 8. Do not empty into drains or waters. Take up spilled product with dust-binding material or suitable vacuum cleaner. Avoid formation of dust. Fill materials taken up into closable container. To clean the floor and all objects contaminated by this material, use damp cloth. Also place used cleaning materials into closable receptacles.

7. Handling and storage

INFORMATION ON SAFE HANDLING:

Suitable container materials: LDPE (low density polyethylene).

When using open containers, use local exhaust ventilation to prevent dusts from spreading. Make provision for product and fire-fighting water to be retained.

INFORMATION ON FIRE AND EXPLOSION PREVENTION:

Take precautions to prevent formation of explosive mixtures:

Keep away from sources of ignition - No smoking.

Follow the explosion protection guidelines of the "Berufsgenossenschaft der Chemischen Industrie" (Employers' Liability Insurance Association for the German Chemical Industry).

Keep container tightly closed.

Prevent formation of dust deposits and whirling-up of dust.

(to be continued)

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7. Handling and storage (Continuation)

INFORMATION ON STORAGE:

See Chapter 15 for storage regulations.

Observe the rules contained in the VCI concept for separate/common storage.

For reasons of quality assurance, keep dry at temperatures under 40 °C.

Store so that unauthorised persons do not have access. Keep away from food, drink and animal feeding stuffs.

8. Exposure controls/Personal protection

For technical protective measures to limit exposure see also Chapter 7 "Handling and storage".

Workplace-related thresholds are listed in Chapter 15 "Regulations".

If product is handled while not enclosed, and if skin contact may occur:

Respiratory protection: Fine dust mask (Class P1)

Respiratory protection instructions ZH1/701 issued by the German Confederation of Commercial Employers' Accident Liability Insurance Associations must be observed.

Hand protection: protective gloves for chemicals

Eye protection: goggles

Occupational health:

Keep the place of work clean. Avoid contact with product. Keep working clothes separate. Change badly soiled or soaked clothing. Wash hands before breaks and at end of work.

***9. Physical and chemical properties**

tested in accordance with

Form: solid, powder

Colour: different according to colouration

Odour: slight characteristic smell

Solubility in water: dispersible

Solid products combustibility: BZ 5 = burning with flames or flying sparks

(VDI 2263). fire spread velocity

> 45 s/10 cm (EEC Method A.10)

Risk of dust explosion: may cause dust explosion

Impact sensitivity: not impact sensitive

10. Stability and reactivity**11. Toxicological information**

Acute toxicity:

LD₅₀ oral, rat (male): 923 mg/kg (Bayer) (1)LD₅₀ oral, rat (female): 595 mg/kg (Bayer) (1)LD₅₀ dermal, rat: > 5000 mg/kg (Bayer) (1)LC₅₀ inhalation, rat: > 5,04 mg/l, aerosol, 4 h of exposure

(highest technical producible concentration). (Bayer) (1)

Irritation of the skin/rabbit: non-irritant (Bayer) (1)

Irritant to the mucous membranes/rabbit: slightly irritant * (Bayer) (1)

* does not necessitate labelling

skin sensitisation: In the guinea-pig tests the product has no skin sensitising effect. (Buehler Patch test) (Bayer) (1)

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11. Toxicological information (Continuation)

(1) Test results of a similar product

12. Ecological information

Fish toxicity: (active ingredient)

LC₅₀: 237 mg/l (96 h); Golden orfe (*Leuciscus idus melanotus*) (Bayer)LC₅₀: 211 mg/l (96 h); Rainbow trout (*oncorhynchus mykiss*) (Bayer)

Toxicity for Daphnia: (active ingredient)

EC₅₀: 0,055 mg/l (48 h); *Hyalella azteca* (Bayer)EC₅₀: 85 mg/l (48 h); Water flea (*Daphnia magna*) (Bayer)

Toxicity for algae: (active ingredient)

Growth rate:

IC₅₀: > 10 mg/l (72 h); Green algae (*Desmodesmus subspicatus*) (Bayer)IC₅₀: > 100 mg/l (72 h); green alga (*Selenastrum capricornutum*) (Bayer)

Toxicity to bacteria: (active ingredient)

EC₅₀: > 10000 mg/l; activated sludge (OECD 209) (Bayer)

Crop protection chemicals must be strictly prevented from reaching water-courses.

The formulation described in this data sheet was classified by the conventional method. (R 52)

13. Disposal considerations

In cases where larger amounts of the product have become unusable, it should be established whether material utilisation is possible (if necessary, consult the manufacturer/suppliers). Small amounts of the product and uncleaned empty packaging should be packaged and sealed, labelled and transferred to a suitable incinerator in accordance with the local regulations.

European Waste Catalogue (EWC) code: 070499, 020105

14. Transport information

GGVSee/IMDG Code: -- UN No.: -- EmS: --

PG: -- MPO: --

GGVSE: Class -- PG: -- RID/ADR: Class -- PG: --

ADNR: Class -- PG: -- Cat -- ICAO/IATA-DGR: not restr.

Declaration for land shipment: --

Declaration for sea shipment: --

Declaration for shipment by air: --

Other information:

Not dangerous cargo. Keep dry. Keep separated from foodstuffs.

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Gaicho WS 70 (SDS Group)**15. Regulatory information**

Labelling in accordance with directive 88/379/EEC (preparations) and its amendments and adaptations:

Symbol: Xn, hazard description: harmful

Contains: 70 % imidacloprid

R 22: Harmful if swallowed.

R 52: Harmful to aquatic organisms.

This labelling is not required for products in packages intended for end users.

MAK value: German Research Association (DFG), Bulletin no. 38 (2002):

General dust tolerance limit

(Portion A, penetrating the alveoli; formerly fine dust): 1.5 mg/m³ A

General dust tolerance limit

(Portion E, respirable; formerly total dust): 4 mg/m³ E

VCI storage class: 11

Note the following Guidelines and Directives of the Employers Liability Accident Insurance (BG Chemie):

M 050 "Umgang mit gesundheitsgefährlichen Stoffen" (regulations on the handling of substances hazardous to health)

M 053 "Allgemeine Arbeitsschutzmaßnahmen für den Umgang mit Gefahrstoffen" (general work safety measures for the handling of dangerous materials)

16. Other information

Water dispersible powder for slurry treatment

Text of all R phrases referred to in sections 2 and 3:

R 20/22: Harmful by inhalation and if swallowed.

R 22: Harmful if swallowed.

R 36: Irritating to eyes.

R 36/38: Irritating to eyes and skin.

R 52: Harmful to aquatic organisms.

Address in case of poisoning,
fire or damage:

Bayer AG; Feuerwehr
D-41538 Dormagen; Tel. 02133/514233

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.

Replaces version dated: January 15, 2003