

SAFETY DATA SHEET



Publication date: May 2008 Sheet number: BES/SA 0113 Revised on: 1 March 2014 Revision number: 4

1) IDENTIFICATION OF THE SUBSTANCE / PREPARATION

Commercial name: **MAXFORCE® QUANTUM**

Usage: Insecticide

Company identification: Bayer (Pty.) Ltd.
Reg. No. 1968/011192/07
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SOUTH AFRICA

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Responsible department: Product Development and Regulatory Affairs
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In case of poisoning emergencies:
Bayer (office hours only): +27 11 921 5429/5471/5639
Tygerberg Poison Centre: +27 21 931 6129
Griffon Poison Information Centre: +27 82 446 8946

2) HAZARD IDENTIFICATION OF THE PRODUCT

Risk advice to man and the environment: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3) COMPOSITION / INFORMATION ON THE INGREDIENTS

Chemical nature: Bait (ready for use) (RB)
Imidacloprid 0,03 %

Hazardous components:

Chemical name	CAS-No. / EINECS-No.	Symbol(s)	R-phrase(s)	Concentration [%]
Imidacloprid	138261-41-3	Xn	R22, R52	0,03
Sucrose	57-50-1 200-334-9			>1.00

For the full text of the R-phrases mentioned in this Section, see Section 16.

4) FIRST AID MEASURES

General advice: The nature of this product, when contained in commercial packs, makes spillage unlikely. However, if significant amounts are spilled then the following advice is applicable. Move out of dangerous area. Place and transport victim in stable position (lying sideways). Remove contaminated clothing immediately and dispose of safely.

Skin contact: Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.

Eye contact: In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation develops and persists.

Ingestion: Induce vomiting only, if: 1. patient is fully conscious, 2. medical aid is not readily available, 3. a significant amount (more than a mouthful) has been ingested and 4. time since ingestion is less than 1 hour. (Vomit should not get into the respiratory tract.) Rinse mouth. Call a physician or poison control center immediately.

NOTES TO PHYSICIAN:

Treatment: Treat symptomatically.
Monitoring of respiratory and cardiac functions.
Gastric lavage is not normally required. If a significant amount (more than a mouthful) has been ingested, administer activated charcoal and sodium sulphate.

5) FIRE FIGHTING MEASURES

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media which should not be used for safety reasons: High volume water jet.

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Specific hazards during fire fighting: In the event of fire the following can be released: Carbon monoxide (CO)

Special protective equipment for fire-fighters: In the event of fire and/or explosion do not breathe fumes.
In the event of fire, wear self-contained breathing apparatus.

Further information: Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat.
Whenever possible, contain fire-fighting water by diking area with sand or earth.
Do not allow run-off from fire fighting to enter drains or water courses.

6) ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with spilled product or contaminated surfaces.
Use personal protective equipment.
Keep unauthorized people away.

Environmental precautions: Do not allow to get into surface water, drains and ground water.

Methods for cleaning up: The nature of this product, when contained in commercial packs, makes spillage unlikely. However, if significant amounts are spilled then the following advice is applicable.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).
Clean contaminated floors and objects thoroughly, observing environmental regulations.
Keep in suitable, closed containers for disposal.

Additional advice: Information regarding safe handling, see section 7.
Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 13.

7) HANDLING AND STORAGE

Handling: Advice on safe handling: No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice.

Storage: Requirements for storage areas and containers
Keep containers tightly closed in a dry, cool and well-ventilated place.
Store in original container.
Store in a place accessible by authorized persons only.

Advice on common storage: Keep away from food, drink and animal feedingstuffs.

Storage stability: Storage temperature: 0 - 40 °C

Suitable materials: HDPE (high density polyethylene)
Polypropylene
Aluminium composite film (min. 0,007 mm aluminium)

8) EXPOSURE CONTROLS AND PERSONAL PROTECTION

Components with workplace control parameters:

Components	CAS-No.	Control parameters	Basis
Imidacloprid	138261-41-3	0,7 mg/m ³	OES BCS*
Sucrose	57-50-1	10 mg/m ³ (TWA)	EH40 WEL
Sucrose	57-50-1	10 mg/m ³ (STEL)	EH40 WEL

*OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

Personal protective equipment:

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

Respiratory protection: No personal respiratory protective equipment normally required.
Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.

Hand protection: Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness 0,40 mm). Wash when contaminated. Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed. Wash hands always before eating, drinking, smoking or using the toilet.

Eye protection: Wear goggles conforming to EN166 (Field of Use 5 or equivalent).

Skin and body protection: Wear standard coverall and type 6 suit.

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Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.
If chemical protection suit is splashed, sprayed or significantly contaminated, decontaminate as far as possible, then carefully remove and dispose of as advised by manufacturer.

Hygiene measures: When using, do not eat, drink or smoke.
Wash hands immediately after work, if necessary take a shower.
Remove soiled clothing immediately and clean thoroughly before using again.

9) PHYSICAL AND CHEMICAL PROPERTIES

Form: Highly viscous, gel
Colour: Colourless to yellowish
Odour: Weak, characteristic
pH: 4 - 6 at 10 % (23 °C)
Flash point: No flash point - Determination conducted up to the boiling point.
Autoignition temperature: 380 °C
Density: Approx. 1,43 g/cm³ at 20 °C
Viscosity, dynamic: Approx. 6.900 mPa.s at 20 °C
Velocity gradient: 80 /s
Oxidizing properties: No oxidizing properties
Explosivity: Not explosive (92/69/EEC, A.14 / OECD 113)

10) STABILITY AND REACTIVITY

Hazardous reactions: No hazardous reactions when stored and handled according to prescribed instructions.
Stable under recommended storage conditions.

11) TOXICOLOGICAL INFORMATION

Acute toxicity:
LD₅₀ oral, rat: > 2500 mg/kg*
LD₅₀ dermal, rat: > 2000 mg/kg*
Skin irritation, rabbit: No skin irritation*
Eye irritation, rabbit: No eye irritation*
Sensitization, guinea pig: Non-sensitizing* (OECD Test Guideline 406, Magnusson % Kligman test)

*Tests conducted with a similar formulation.

12) ECOLOGICAL INFORMATION

Toxicity to fish:
LC₅₀: 211 mg/l Rainbow trout *Oncorhynchus mykiss*
Exposure time: 96 h
The value mentioned relates to the active ingredient.

Toxicity to daphnia:
EC₅₀: 85 mg/l Water flea *Daphnia magna*
Exposure time: 48 h
The value mentioned relates to the active ingredient.

Toxicity to algae:
EC₅₀ Growth rate : > 10 mg/l *Desmodesmus subspicatus*
Exposure time: 72 h
The value mentioned relates to the active ingredient.

13) DISPOSAL CONSIDERATIONS

Product: In accordance with current regulations and, if necessary, after consultation with the site operator and/or with the responsible authority, the product may be taken to a waste disposal site or incineration plant.

Contaminated packaging: Not completely emptied packagings should be disposed of as hazardous waste.

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14) TRANSPORT INFORMATION

According to national and international transport regulations not classified as dangerous goods.

15) REGULATORY INFORMATION

Classification in accordance with the EC Directive on dangerous preparations 1999/45/EC as amended.

Classification: Hazard warning labelling compulsory.

Hazardous components which must be listed on the label: Imidacloprid.

R-phrase(s):

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

Exceptional labeling: To avoid risks to man and the environment, comply with the instructions for use.

WHO Classification: III (Slightly hazardous)

16) OTHER INFORMATION

Text of R-phrases mentioned in Section 3:

R22: Harmful if swallowed.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the product's properties.

Consult the label for the directions for use.

THIS INFORMATION CONCERNS ONLY THE PRODUCT AS CONFORMING TO ITS SPECIFICATIONS AND LIMITED TO THE USES HEREIN STATED.

This sheet complements the technical sheet of use but does not replace it. The information contained on this sheet is based on knowledge of the product on the date of publication. It is given in good faith.

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