

SAFETY DATA SHEET



Publication date: January 2000 Sheet number: BES/SA0068 Revised on: 23 February 2010 Revision number: 8

1) IDENTIFICATION OF THE SUBSTANCE / PREPARATION

Commercial name: **MAXFORCE® IC**

Usage: Insecticide

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

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Responsible department: Marketing and Technical
+27 11 921 5310/5663/5471/5639
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In case of poisoning emergencies:
Bayer (office hours only): +27 11 921 5310/5663/5471/5639
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: Toxic 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 2,15 %

Hazardous components:

Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrase(s)	Concentration [%]
Imidacloprid	138261-41-3 428-040-8	Xn, N	R22, R50/53	2,15
Glycerine	56-81-5 200-289-5			>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. If the patient is likely to become unconscious, place and transport in stable sideways position. Remove contaminated clothing immediately.

Skin contact: Wash off immediately with plenty of soap and water, if available polyethyleneglycol 400, subsequently rinse with water. Take medical treatment if irritation develops and persist.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists.

Ingestion: Call a physician or poison control center immediately. 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.) Call a physician or poison control center immediately.

NOTES TO PHYSICIAN:

Treatment: Treat symptomatically.
Monitoring of respiratory and cardiac functions.
In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable.

5) FIRE FIGHTING MEASURES

Suitable extinguishing media: Water spray, carbon dioxide (CO₂), alcohol resistant foam, dry chemical.

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

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.
Use self-contained breathing apparatus.

Further information: Contain the spread of the fire-fighting media.
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.
Wear personal protective equipment. Unprotected persons must be kept 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: -10 °C - 38 °C.

Suitable materials: HDPE (high density polyethylene).
Polypropylene.

8) EXPOSURE CONTROLS AND PERSONAL PROTECTION

Components with workplace control parameters:

Components	CAS-No.	Control parameters	Update	Basis
Imidacloprid	138261-41-3	0,7 mg/m ³		OES BCS*

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

Personal protective equipment:

In normal use and handling conditions: Wear rubber gloves.

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.

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

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

Hygiene measures: Avoid contact with skin, eyes and clothing.
Keep working clothes separately.
Wash hands before breaks and immediately after handling the product.
Remove soiled clothing immediately and clean thoroughly before using again.
Garments that cannot be cleaned must be destroyed (burnt).

9) PHYSICAL AND CHEMICAL PROPERTIES

Form: Gel

Colour: White to beige

Odour: Weak characteristic smell

pH value: 4,5 at 5 %

Autoignition temperature: > 381 °C

Solubility in water: Miscible

Flammability: Not readily flammable

Density: Approx. 1,21 g/cm³ at 20 °C

10) STABILITY AND REACTIVITY

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

11) TOXICOLOGICAL INFORMATION

Acute toxicity:
LD₅₀ oral, rat: > 5000 mg/kg
LD₅₀ dermal, rat: > 5000 mg/kg

Skin irritation, rabbit: Non-irritant

Eye irritation, rabbit: Non-irritant

Sensitization, guinea pig: Non-sensitizing
OECD Test Guideline 406, Magnusson & Kligman test

12) ECOLOGICAL INFORMATION

Fish toxicity: (active ingredient)
LC₅₀: 237 mg/l (96h), Golden orfe (*Leuciscus idus*)
LC₅₀: 211 mg/l (96h), Rainbow trout (*Oncorhynchus mykiss*)

Toxicity for Daphnia: (active ingredient) EC₅₀: 85 mg/l (48 h) *Daphnia magna*

Toxicity for algae: (active ingredient)
Growth rate: IC₅₀: > 10 mg/l (72 h) (*Desmodesmus subspicatus*)

13) DISPOSAL CONSIDERATIONS

Product disposal: 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.

Container disposal: Not completely empty packaging should be disposed of as hazardous waste.

14) TRANSPORT INFORMATION

UN Number: 3077

Class: 9

IMDG: -

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Ems: F-A, S-F

MFAG: -

Subsidiary risk: •

Packing group: III

Declaration for land shipment: 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(imidacloprid mixture)

Declaration for sea shipment: 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(imidacloprid mixture)

Declaration for shipment by air: 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(imidacloprid mixture)

Marine pollutant.

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

Symbol(s):

N: Dangerous for the environment.

R-phrase(s):

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s):

S35: This material and its container must be disposed of in a safe way.

S57: Use appropriate container to avoid environmental contamination.

Exceptional labelling

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 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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