

# SAFETY DATA SHEET



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<b>1) IDENTIFICATION OF THE SUBSTANCE / PREPARATION</b>				
Commercial name:	<b>MAXFORCE® PLATIN</b>			
Usage:	Insecticide			
Company identification:	Bayer (Pty.) Ltd. Reg. No. 1968/011192/07 P.O. Box 143, Isando 1600 SOUTH AFRICA			
Telephone:	+27 11 365 8600 +27 11 921 5429			
Fax:	+27 11 921 5754			
Responsible department:	Product Development and Regulatory Affairs +27 11 921 5429/5471/5639 Nomfundo.mfeka@bayer.com			
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			
<b>2) HAZARD IDENTIFICATION OF THE PRODUCT</b>				
Risk advice to man and the environment: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.				
<b>3) COMPOSITION / INFORMATION ON THE INGREDIENTS</b>				
Chemical nature:	Bait (ready for use) (RB) Clothianidin 1% w/w			
Hazardous components:				
Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrases(s)	Concentration [%]
Clothianidin	210880-92-5	Xn, N	R22, R50/53	1,00
Glycerine	56-81-5 200-289-5			>1,00
For the full text of the R-phrases mentioned in this Section, see Section 16.				
<b>4) FIRST AID MEASURES</b>				
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. Do NOT induce vomiting.				
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.				
<b>5) FIRE FIGHTING MEASURES</b>				
Suitable extinguishing media: Water spray, carbon dioxide (CO <sub>2</sub> ), alcohol resistant foam, sand.				
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).				

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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.

Shelf life: 2 years

Storage temperature: < 40 °C.

Suitable materials: Polyethylene film within an outer package.

## 8) EXPOSURE CONTROLS AND PERSONAL PROTECTION

Components with workplace control parameters:

Components	CAS-No.	Control parameters	Update	Basis
Clothianidin	210880-92-5	208 mg/m <sup>3</sup>		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.

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.

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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, characteristics  
 pH value: 4.7-5.2 at 1% (23 °C)  
 Density : ca. 1.1 g/cm<sup>3</sup> 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:  
 LD<sub>50</sub> oral, rat: > 5000 mg/kg  
 LD<sub>50</sub> dermal, rat: > 5000 mg/kg  
 Skin irritation, rabbit: Non-irritant  
 Eye irritation, rabbit: slight irritant - does not require labelling  
 Sensitization, guinea pig: Non-sensitizing  
 OECD Test Guideline 429, local lymph node assay (LLNA)

## 12) ECOLOGICAL INFORMATION

Fish toxicity: (active ingredient)  
 LC<sub>50</sub>: >104.2 mg/l (96h), Rainbow trout (*Oncorhynchus mykiss*)  
 Toxicity for Daphnia: (active ingredient) EC<sub>50</sub>: >119 mg/l (48 h) *Daphnia magna*  
 Toxicity for algae: (active ingredient)  
 Growth rate: IC<sub>50</sub>: > 120 mg/l (72 h) (*Pseudokirchneriella subcapitata*)

## 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: -  
 Ems: F-A, S-F  
 MFAG: -  
 Subsidiary risk: •  
 Packing group: III  
 Declaration for land shipment: 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
 (Clothianidin solution)  
 Declaration for sea shipment: 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
 (Clothianidin solution)



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

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: Clothianidin

Symbol(s):

Xi: Irritant.

N: Dangerous for the environment.

R-phrases(s):

R22: Harmful if swallowed.

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

S-phrases(s):

S24: Avoid contact with skin.

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

S37: Wear suitable gloves.

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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