

SAFETY DATA SHEET



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1) IDENTIFICATION OF THE SUBSTANCE / PREPARATION

Commercial name: **BLATTANEX® EC**

Usage: Insecticide

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

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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

Harmful by inhalation and if swallowed.
Irritating to eyes and skin.
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3) COMPOSITION / INFORMATION ON THE INGREDIENTS

Chemical nature: Emulsifiable concentrate (EC)
Propoxur 200 g/l

Hazardous components

Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrases(s)	Concentration [%]
Propoxur	114-26-1	N	R25, R50/53	20
Benzyl alcohol	100-51-6	Xn	R20/22	

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

4) FIRST AID MEASURES

General advice: Move out of dangerous area. If the patient is likely to become unconscious, place and transport in stable sideways position. Remove soiled or soaked clothing immediately.

Skin contact: Immediately remove contaminated clothing, including shoes. Wash affected area with plenty of water and soap. SPEED IN REMOVING LIQUID FROM SKIN IS OF PRIME IMPORTANCE. Take medical treatment.

Eye contact: Flush eyes with water for 15 minutes. Hold eyelids open while washing. Consult an eye specialist.

Ingestion: Do not induce vomiting. Wash out mouth with water. Call doctor immediately.

Inhalation: Move patient to fresh air and keep at rest. Call doctor immediately.

NOTE TO PHYSICIAN:

The active ingredient in this product is a carbamate poison.

Symptoms of poisoning: Local: Temporary blurred vision due to contraction of the pupils (miosis) following contact with the eyes.
Systemic: Sweating, salivation, flushing, dizziness, abdominal pain, discomfort in the chest, muscle twitching, convulsions, respiratory failure, nausea, headache, vomiting, diarrhea, hypotensive effect, blurred vision.

Treatment: Monitoring of respiratory, cardiac and central nervous system.
Monitoring of the blood picture.
Observe specific parameters: red blood cell and plasma cholinesterase.
ECG – monitoring (Electrodiagram)
Endotracheal intubation should be done and gastric lavage performed, followed by

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administration of charcoal.
Keep airway clear, administer artificial respiration if necessary.
Against convulsions; Give diazepam: for adults 5-10 mg intravenously as necessary until fully sedated; for children 2.5 mg i.v.
Treatment for adults: for all cases a high dose of atropine (2 to 4 mg) repeated every 10 to 15 minutes as needed.
Contraindications: oximes (pralidoxime, oblidoxime), succinyl choline, aminophylline.

5) FIRE FIGHTING MEASURES

Extinguishing media: Water spray, foam, CO₂, sand.

Fight fire in early stages if safe to do so.

Do not breathe fumes. Wear respiratory protection.

Well ventilated areas: Full face mask with combination filter.

Enclosed premises: Respirator with independent air supply.

Contain fire-fighting water and do not allow run-off from fire fighting to enter drains or water courses.

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

6) ACCIDENTAL RELEASE MEASURES

Avoid contact with spilled product or contaminated surfaces. Use the personal protective equipment listed in Section 8. Unprotected persons must be kept away.

Prevent entry into drains, waters or soil.

Take up spilled product with absorbent material (e.g. sand, earth or a proprietary absorbent material). Fill materials taken up into sealable container. Clean the floor and all objects contaminated by this material thoroughly by using a damp cloth. Also place used cleaning materials into sealable receptacles.

See Section 13 for information regarding waste disposal.

7) HANDLING AND STORAGE

Information on safe handling: Use only in area provided with appropriate exhaust ventilation.

Information on storage: 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.
Keep away from food, drink and animal feedingstuffs.
Store at 0-40 °C.
Use only containers that are approved specifically for the substance/product.

8) EXPOSURE CONTROLS AND PERSONAL PROTECTION

Personal protection: If product is handled while not enclosed, and if skin contact may occur:
Respiratory protection: Full mask with multi-range filter ABEK/P2.
Hand protection: Solvent-resistant gloves.

Hygiene measures: Avoid contact with skin, eyes and clothing.
Keep working clothes separately.
Wash hands before breaks and at end of workday.
Remove soiled or soaked clothing immediately and clean thoroughly before using again.
Garments that cannot be cleaned must be destroyed.

9) PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid, clear
Colour: Slightly yellowish
Odour: Aromatic
Crystallization point: < -60 °C DIN ISO 3016
Initial boiling point: 91 °C at 1.013 hPa
Vapour pressure: 3 kPa at 20 °C, 13 kPa at 50° C, 85 kPa at 55 °C
Density: Approx. 1,049 g/cm³ at 20 °C
Solubility in water: Emulsifiable
Water-miscibility to VbF S 3(I): No

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Partition coefficient: log P octanol/water propoxur: 1,56
 Viscosity: 39,7 sec. Discharge time at 20 °C ISO 2431 (corresponds to 12,5 mm²/s)
 Flash point: 63 °C
 Autoignition temperature: 415 °C

10) STABILITY AND REACTIVITY

No hazardous reactions when stored and handled according to prescribed instructions.

11) TOXICOLOGICAL INFORMATION

Acute toxicity:
 LD₅₀ oral, rat: approx. 250 mg/kg (Bayer)⁽¹⁾
 LD₅₀ dermal, rat: > 5000 mg/kg (Bayer)⁽¹⁾
 Irritation of the skin/rabbit: Slightly irritant (Bayer)⁽²⁾
 Eye irritant, rabbit: Moderately irritant (Bayer)⁽²⁾

⁽¹⁾ derived from active ingredient data
⁽²⁾ derived from the constituent substances

12) ECOLOGICAL INFORMATION

Ecological information:
 Fish toxicity: (active ingredient)
 LC₅₀: 12 ppm (96 h); Golden orfe (*Leuciscus idus*) (Bayer)
 LC₅₀: 4-14 ppm (96 h); Rainbow Trout (*Salmo gairdneri*) (Bayer)
 LC₅₀: 6,6 ppm (96 h); (*Lepomis macrochirus*) (Bayer)
 LC₅₀: 10-40 ppm (48 h); Illy fish (*Orizias latipes*) (Bayer)
 LC₅₀: 10-40 ppm (48 h); Carp (*Cyprinus carpio*) (Bayer)
 Toxicity for *Daphnia*: (active ingredient)
 EC₅₀: 0,15 mg/l (48 h); Water flea (*Daphnia magna*) (Bayer)
 Toxicity for algae: (active ingredient)
 Increase of the biomass: EC₅₀: 5,3 mg/l (96 h), Green algae (*Scenedesmus subspicatus*) (Bayer)
 Growth rate: EC₅₀: 43,0 mg/l (96 h), Green algae (*Scenedesmus subspicatus*) (Bayer)

13) DISPOSAL CONSIDERATIONS

Product: Package product wastes. Close and label the waste receptacles and, like-wise, any uncleaned empty containers. Dispose of them at a suitable waste disposal plant in accordance with the official regulations. Where large quantities are concerned, consult the manufacturer.
 Packaging: Triple rinse the container, then perforate and bury it.

14) TRANSPORT INFORMATION

UN No: 2992
 Class: 6.1
 IMDG: 6193
 Ems: 6.1-02
 MFAG: 505
 Subsidiary risk: •
 Packing group: III
 Declaration for land shipment: 2992 CARBAMATE PESTICIDE , LIQUID , TOXIC
 Declaration for sea shipment: 2992 CARBAMATE PESTICIDE , LIQUID , TOXIC
 Declaration for shipment by air: 2992 CARBAMATE PESTICIDE , LIQUID , TOXIC

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15) REGULATORY INFORMATION

Symbol(s):

N: Dangerous for the environment.
Xn: Harmful

R-phrases(s):

R10: Flammable.
R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.
R51: Toxic to aquatic organisms.
R55: Toxic to fauna.
R57: Toxic to bees.

S-phrases(s):

S1/2: Keep locked up and out of the reach of children.
S3: Keep in a cool place.
S13: Keep away from food, drink and animal feedingstuffs.
S15: Keep away from heat.
S20/21: When using, do not eat, drink or smoke.

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

WHO Classification: Ib (highly hazardous)

16) OTHER INFORMATION

Text of R-phrases mentioned in Section 3:

R20/22: Harmful by inhalation and if swallowed.
R25: Toxic if swallowed.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.

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.

The information contained on this sheet is based on knowledge of the product on the date of publication. It is given in good faith. If the logo in this document is not in colour, this document is a photocopy and could be out of date.