

SAFETY DATA SHEET



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1) IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY/UNDERTAKING

Trade name: **BOUNCE® EC 250**

Usage: Fungicide

Company identification: Bayer (Pty.) Ltd.
Reg. No. 1968/011192/07
P.O. Box 143, Isando 1600
SOUTH AFRICA

Telephone: +27 11 365 8600
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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: Very toxic to aquatic organisms, may cause long-term effects in the aquatic environment.
Flammable.
Harmful by inhalation and if swallowed.
Irritating to skin.
Risk of serious damage to eyes.
May cause sensitization by skin contact.
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Harmful: may cause lung damage if swallowed.

3) COMPOSITION / INFORMATION ON THE INGREDIENTS

Chemical characterisation: Emulsifiable Concentrate

Contains: 250 g/l Triadimefon

Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrases	Concentration [%]
Triadimefon	43121-43-3 256-103-8	Xn, N	R22, R43, R51/53	25,25
Cyclohexanone	108-94-1 203-631-1	Xn	R10, R20	> 25,00
Xylol	1330-20-7	Xn	R10, R21, R36/38	>25.00
Dodecyl benzene sulphonate, calcium salt	26264-06-2 247-557-8	Xi	R38, R41	> 1,00

4) FIRST AID MEASURES

General advice: Remove contaminated clothing immediately and dispose of safely. Move out of dangerous area. Place and transport victim in stable position (lying sideways).

Inhalation: Move to fresh air. Keep patient warm and at rest. Call a physician or poison control center immediately.

Skin contact: Wash off thoroughly with plenty of water and soap, if available with polyethyleneglycol 400, subsequently rinse with water.

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: Do NOT induce vomiting. Call a physician or poison control center immediately. Rinse mouth.

Notes to Physician:

Treat symptomatically.

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5) FIRE FIGHTING MEASURES

Suitable extinguishing media: Water spray, carbon dioxide (CO₂), foam, sand.

Specific hazards during fire fighting:

In the event of fire the following can be released: Hydrogen cyanide (hydrocyanic acid), carbon monoxide (CO), nitrogen oxides (NO_x).

Special protective equipment for fire-fighters: In the event of fire and/or explosion do not breathe fumes.
Use 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.
Keep away sources of ignition.

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

Methods for cleaning up: Take up with absorbent material (e.g. sand, diatomaceous earth or a proprietary absorbent material).
Clean contaminated floors and objects thoroughly, observing environmental regulations.
Keep in suitable, closed containers for disposal.

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

7) HANDLING AND STORAGE

Handling:

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

Advice on protection against fire and explosion: Keep away from heat and sources of ignition.
Take measures to prevent the build up of electrostatic charge.

Storage:

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

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

Storage stability:
Storage temperature: < 50 °C

8) EXPOSURE CONTROLS AND PERSONAL PROTECTION

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: If product is handled while not enclosed, and if contact may occur:
Wear respirator conforming to EN140 type A filter.

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: Safety glasses with side-shields.

Hygiene measures: Avoid contact with skin, eyes and clothing.
Keep working clothes separately.
Wash hands before breaks and at the end of workday.
Wash hands immediately after work, if necessary take a shower.
Remove soiled and/or soaked clothing immediately and clean thoroughly before using again.
Garments that cannot be cleaned must be destroyed (burnt).

Protective measures: If product is handled while not enclosed, and if contact may occur: complete suit protecting against chemicals.

9) PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid



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Colour: Clear, brown
Odour: Aromatic
Change in physical state: Initial boiling point: bei approx. 138 °C
Density: Approx. 0,98 g/cm³
Solubility in water: Emulsifiable
Water-miscibility to VbF 3(1) yes
Flash point: >25 °C
Ignition temperature: Not determinable due to boiling at higher temperatures.

10) STABILITY AND REACTIVITY

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

11) TOXICOLOGICAL INFORMATION

Acute toxicity:

LD₅₀ oral, rat: 1000 mg/kg*

LD₅₀ dermal, rat: > 5000 mg/kg*

*Relates to the active ingredient.

Skin irritation, rabbit: Severe skin irritation
Test conducted with a similar formulation.

Eye irritation, rabbit: Severe eye irritation
Test conducted with a similar formulation.

Sensitization, guinea pig: Sensitizing
The value relates to the active ingredient.

12) ECOLOGICAL INFORMATION

Fish toxicity (active ingredient) :

LC₅₀ : 11 mg/ℓ (96 h): (*Lepomis macrochirus*)

LC₅₀ : 13,8 mg/ℓ (96 h): Golden orfe (*Leuciscus idus*)

LC₅₀ : 14 – 17,6 mg/ℓ (96 h): Rainbow trout (*Salmo gairdneri*)

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.

14) TRANSPORT INFORMATION

Un no.: 1993

Packaging group: III

EmS: F-E, S-E

Declaration for land shipment: 1993 FLAMMABLE LIQUID, N.O.S.
(cyclohexanone, triadimefon solution)

Declaration for sea shipment: 1993 FLAMMABLE LIQUID, N.O.S.
(cyclohexanone, triadimefon solution)

Declaration for shipment by air: 1993 FLAMMABLE LIQUID, N.O.S.
(cyclohexanone, triadimefon solution)

15) REGULATORY INFORMATION

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

Classification: Labelling according to EC Directives

Hazardous components which must be listed on the label: Triadimefon
Cyclohexanone



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Symbol(s):

Xn: Harmful.
N: Dangerous for the environment.

R-phrases(s):

R10: Flammable.
R20/22: Harmful by inhalation and if swallowed.
R38: Irritating to skin.
R41: Risk of serious damage to eyes.
R43: May cause sensitization by skin contact.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65: Harmful: may cause lung damage if swallowed.

S-phrases(s):

S24: Avoid contact with skin.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S35: This material and its container must be disposed of in a safe way.
S37/39: Wear suitable gloves and eye/face protection.
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)

SA Classification: II (Moderately hazardous)

16) OTHER INFORMATION

Text of R phrases mentioned in Section 3:

R10: Flammable.
R20: Harmful by inhalation.
R22: Harmful if swallowed.
R37: Irritating to respiratory system.
R38: Irritating to skin.
R41: Risk of serious damage to eyes.
R43: May cause sensitization by skin contact.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65: Harmful: may cause lung damage if swallowed.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapours may cause drowsiness and dizziness.

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 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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