

SAFETY DATA SHEET



Publication date: March 1990 Sheet number: BES/SA 0078 Revised on: 6 July 2010 Revision number: 5

1) IDENTIFICATION OF THE SUBSTANCE / PREPARATION

Commercial name: **PYBUTHRIN® 44**

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
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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 82 446 894

2) HAZARD IDENTIFICATION OF THE PRODUCT

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

3) COMPOSITION / INFORMATION ON THE INGREDIENTS

Chemical nature: Oil solution (FN/KN)
Pyrethrins 5 g/l
Piperonyl butoxide 40 g/l

Hazardous components:

Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrase(s)	Concentration [%]
Pyrethrins	8003-34-7 232-319-8	Xn, N	R20/21/22, R50/53	0,5
Piperonyl butoxide	51-03-6 200-076-7	N	R50/53	4,0

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

4) FIRST AID MEASURES

Skin contact: Remove contaminated clothing, rinse the affected skin area with plenty of soap and cool water or shower. DO NOT rub skin hard.

Eye contact: Immediately wash eyes with copious amounts of clean water for at least 15 minutes, cover with a sterile pad, contact a doctor.

Ingestion: Keep patient calm and reassured, rinse mouth with clean water. Never give anything by mouth to an unconscious person. DO NOT apply direct mouth to mouth respiration, use a disposable protective mouthpiece.

Inhalation: Remove patient from source of poisoning to well ventilated area and keep him quiet and reassured. If necessary, administer artificial respiration and oxygen or closed chest cardiac massage.

Note to physician: Treat symptomatically. No specific antidote known. The product contains a synergist which may make a person temporarily vulnerable to a variety of toxic insults which would normally be tolerated with ease.

SEEK MEDICAL ADVICE PROMPTLY AND SHOW THIS MSDS TO A MEDICAL PRACTITIONER

5) FIRE FIGHTING MEASURES

Personnel involved in a fire situation with this material should wear self-contained breathing apparatus as acrid smoke and irritating fumes may be given off.

No unprotected person should be allowed in the vicinity.

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Decomposes in a fire to emit acrid smoke and irritating fumes.

Fire extinguishing agents to be used: Foam.

Contain run-off with temporary earth barriers.

6) ACCIDENTAL RELEASE MEASURES

Soak up spillage with sand, sweep up and dispose of as for toxic waste in accordance with local/national regulations.

Protective clothing to be worn when clearing spillage.

7) HANDLING AND STORAGE

Storage: Store away from children and pets. Store in a cool, dry place away from sources of heat. Store away from farm feeds, foodstuffs and eating utensils. Store away from alkaline materials.

Cleaning of equipment after use: Clean protective clothing, used protective clothing and the workers' personal clothing shall be kept apart. At the end of each day, all protective clothing and respirators shall be decontaminated, washed, rinsed and dried. Extra care must be taken when cleaning equipment after use.

Handling precautions: Do not apply directly onto food or tobacco. Wash with soap and water after use. Avoid excessive wetting of plastic, rubber or asphalt surfaces. During application and when cleaning equipment contamination of all sources of drinking water, rivers, dams, crops or grazing shall be prevented. The material is toxic to fish and bees.

8) EXPOSURE CONTROLS AND PERSONAL PROTECTION

Chemical resistant gloves, safety goggles or face shield, adequate ventilation or effective respiratory protection, full length protective clothing and boots should be worn when handling this material in an emergency.

9) PHYSICAL AND CHEMICAL PROPERTIES

Description: A clear, honey-coloured, liquid

Solubility: Not soluble in water

Flash point: About 142 °C

Degradation: In the environment, degradation promoted by sunlight and UV light. In mammals, rapidly degraded in the stomach by hydrolysis of the ester bond to harmless metabolites.

10) STABILITY AND REACTIVITY

11) TOXICOLOGICAL INFORMATION

Toxicity:
The product is moderately hazardous if inhaled, swallowed and on skin contact.

LD₅₀ acute oral, rats: 710 to 1 400 mg/kg
(pyrethrins)

LD₅₀ acute dermal, rats: > 1 500 mg/kg
(piperonyl butoxide)

LD₅₀ acute oral, rats: 7 960 mg/kg
LD₅₀ acute dermal, rats: > 8 000 mg/kg

12) ECOLOGICAL INFORMATION

Toxicity to fish: The material is very toxic to fish.

13) DISPOSAL CONSIDERATIONS

Disposal of residue: Residue may be disposed of as for toxic waste in accordance with local/national regulations.

Disposal of used packaging material: Empty containers to be disposed of as toxic waste in accordance with local/national regulations. DO NOT re-use for any other purpose.

14) TRANSPORT INFORMATION

UN No: 3082

Class: 9

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IMDG: -
Ems: -
MFAG: -
Subsidiary risk: •
Packing group: III

Declaration for land shipment: 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (pyrethrin solution)
Declaration for sea shipment: 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (pyrethrin solution)
Declaration for shipment by air: 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (pyrethrin solution)

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: Pyrethrins
Piperonyl butoxide

Symbol(s):
N: Dangerous for the environment.

Safety phrase(s):
S2: Keep out of the reach of children.
S23: Do not breach spray mist.
S24: Avoid contact with the skin.

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

WHO Classification: II (moderately hazardous)

16) OTHER INFORMATION

Text of R-phrases mentioned in Section 3:

R20/21/22: Harmful by inhalation, in contact with skin and 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.

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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