

SAFETY DATA SHEET



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1) IDENTIFICATION OF THE SUBSTANCE / PREPARATION

Commercial name: **SUPER SUSPEND®**

Usage: Insecticide

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

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Responsible department: Product Development and Regulatory Affairs
+27 11 921 5429/5471/5639
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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

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: Suspension concentrate (=flowable concentrate)(SC)
Deltamethrin 26,25 g/l

Hazardous components:

Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrases	Concentration [%]
Deltamethrin	52918-63-5 258-256-6	T, N	R23/25, R50/53	2,50

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

4) FIRST AID MEASURES

Inhalation: Move the patient to fresh air and keep warm and at rest. If symptoms persist, call a physician.

Skin contact: Take off contaminated clothing and shoes immediately. Wash off immediately with soap and plenty of water. After skin contact: Apply Vitamin E cream or a simple body milk. If symptoms persist, call a physician.

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: Rinse out mouth and give water in small sips to drink. If symptoms persist, call a physician. Ingest activated charcoal. Do NOT induce vomiting. 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).

Notes to physician:

Symptoms: Local: Skin and eye paraesthesia which may be severe, usually transient with resolution within 24 hours, eye and mucous membrane irritation, cough.
Systemic: Discomfort in the chest, bronchial hypersecretion, pulmonary oedema, tachycardia, low blood pressure, palpitation, vomiting, diarrhoea, abdominal pain, nausea, salivation, dizziness, blurred vision, headache, apathy, anorexia, somnolence, coma, convulsions, tremors, ataxia, muscular fasciculation.

Risks: This product/preparation contains a pyrethroid.
Must NOT be confused with organophosphorus compounds!

Treatment: Local treatment: Initial treatment should be symptomatic and supportive.
After eye contact: Instillation of local anaesthetic drops e.g. 1% Amethocaine Hydrochloride eye drops. Give Analgesics as necessary.
Systemic treatment: Endotracheal intubation should be done and gastric lavage performed, followed by administration

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of charcoal and sodium sulphate.
 Monitoring of respiratory and cardiac functions.
 Against convulsions: Give diazepam: for adults 5-10 mg intravenously as necessary until fully sedated; for children 2.5 mg i.v. Barbiturates may also be used, e.g. Phenobarbital and calcium gluconate.
 There is no antidote.
 Contraindication: Atropine
 Contraindications: Derivatives of adrenaline
 Recovery: Spontaneous

5) FIRE FIGHTING MEASURES

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
 Extinguishing media which must not be used for safety reasons: High volume water jet.
 Specific hazards during fire fighting: Dangerous gases are evolved in the event of a fire.
 Special protective equipment for fire-fighters: In the event of fire and/or explosion do not breathe fumes.
 Wear self contained breathing apparatus for fire fighting.
 Further information: Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat.
 Whenever possible, contain fire-fighting water by bunding area with sand or earth.

6) ACCIDENTAL RELEASE MEASURES

Personal precautions: Keep people away from and upwind of spill/leak.
 Avoid contact with spilled product or contaminated surfaces.
 When dealing with a spillage do not eat, drink or smoke.
 Environmental precautions: Do not allow to get into the drains/surface water/groundwater.
 Methods for cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
 Clean contaminated floors and objects thoroughly with plenty of water.
 Keep in suitable 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.
 Check also for any local site procedures.

7) HANDLING AND STORAGE

HANDLING:
 Advice on safe handling: No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice.
 Use only in area provided with appropriate exhaust ventilation.
 Advice on protection against fire and explosion: No special precautions required.
STORAGE:
 Requirements for storage areas and containers: Keep containers tightly closed in a dry, cool and well-ventilated place.
 Store in a place accessible by authorized persons only.
 Store away from direct sunlight.
 Protect from freezing.
 Storage temperature: 0 - 40 °C
 Suitable materials: HDPE (high density polyethylene)

8) EXPOSURE CONTROLS AND PERSONAL PROTECTION

Components with workplace control parameters:

Components	CAS-No.	Control parameters	Update	Basis
Deltamethrin	52918-63-5	0,02 mg/m ³		OES BCS*

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

Protective clothing during normal use: Wear protective clothing when applying the diluted washes to surfaces or when working in spray mist.

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Wear a face shield when applying the diluted washes to surfaces or when working in spray mist.

Personal protective equipment in all other cases:

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.

Hygiene measures: When using, do not eat, drink or smoke.
Remove soiled clothing immediately and clean thoroughly before using again.
Wash hands immediately after work, if necessary take a shower.

9) PHYSICAL AND CHEMICAL PROPERTIES

Description: An opaque, white, suspension liquid

pH: 3-7 at 100 % (20 °C)

Flash point: > 100 °C

Ignition temperature: 415 °C

Density: Approx. 1,04 g/cm³ at 20 °C

Solubility: Product is miscible with water

10) STABILITY AND REACTIVITY

Conditions to avoid: Extremes of temperature and direct sunlight.

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

11) TOXICOLOGICAL INFORMATION

Acute toxicity:

LD₅₀ acute oral, rat: > 15000 mg/kg*

LD₅₀ acute dermal, rat: > 10000 mg/kg*

LC₅₀ (6hrs) acute inhalation, rats: 2.3 mg/ℓ air*

Skin irritation, rabbit: Non-irritant*

Eye irritation, rabbit: Non-irritant*

Skin sensitization, mouse: Non-sensitizer
OECD Test Guideline 429, local lymph node assay (LLNA)

*Test conducted with a similar formulation.

Further information: Cutaneous sensations may occur, such as burning or stinging on the face and mucosae. However, these sensations cause no lesions and are of a transitory nature (max. 24 hours).

12) ECOLOGICAL INFORMATION

Toxicity to fish: (deltamethrin)
LC₅₀: 0.00026 mg/ℓ Rainbow trout, 96 h

Toxicity to Daphnia: (deltamethrin)
EC₅₀: 0.00011 mg/ℓ *Daphnia magna*, 48 h

Toxicity to algae: (deltamethrin)
EC₅₀: > 9.1 mg/ℓ, 72 h

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Toxicity to birds: (deltamethrin)
LD₅₀: > 2250 mg/l Bobwhite quail
LD₅₀: > 4640 mg/l Mallard duck

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: Triple rinse containers.
Empty containers to be disposed of in accordance with local/national regulations. DO NOT re-use for any other purpose.
Not complete empty packagings should be disposed of as hazardous waste.

14) TRANSPORT INFORMATION

UN Number: 3082

Class: 9

IMDG: -

Ems: F-A, S-F

MFAG: -

Subsidiary risk: •

Packing group: III

Declaration for land shipment: 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DELTAMETHRIN SOLUTION)

Declaration for sea shipment: 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DELTAMETHRIN SOLUTION)

Declaration for shipment by air: 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DELTAMETHRIN 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: Deltamethrin

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

R-phrases(s):
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases(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:
R23/25: Toxic by inhalation 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.

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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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