

MATERIAL SAFETY DATA SHEET

Baytex 550 Insecticide



Date of Issue: September 30, 2002

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

Product name: **Baytex 550 Insecticide**

Other names: None

Product code: EXP81143A

Recommended use: Insecticide for pest control use

Supplier: Bayer Environmental Science – A Business Group of Bayer CropScience Pty Ltd ABN 87 000 226 022

Address: 391 - 393 Tooronga Road, East Hawthorn
Victoria 3123, Australia

Telephone: (03) 9248 6888

Facsimile: (03) 9248 6800

Website: www.bayercropscience.com.au

Contact: Technical Manager (03) 9248 6854

Emergency Telephone Number: 1800 033 111 – Orica SH&E Shared Services

2. HAZARDS IDENTIFICATION

HAZARDOUS SUBSTANCE - DANGEROUS GOOD

May irritate skin. Flammable

Hazard designation: Hazardous according to criteria of Worksafe Australia.

Risk phrases: R25 Toxic if swallowed
R21 Harmful in contact with skin
R10 Harmful by inhalation and in contact with skin

Safety phrases: Not applicable

ADG classification: 6.1 Subsidiary risk 3

SUSDP classification: Schedule 6 (Standard for the Uniform Scheduling of Drugs and Poisons)

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Concentration (g/L):
Fenthion	55-38-9	550
Emulsifiers		Medium
Perfume		Low
Xylene	1330-20-7	334

Proportion (%w/w): Low = 1-9%; Med = 10-29%

4. FIRST AID MEASURES

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If poisoning occurs, immediately contact a doctor or Poisons Information Centre (telephone 13 11 26), and follow the advice given. Show this Material Safety Data Sheet to a doctor.

Inhalation:	If inhaled, remove patient to fresh air. Keep rested and warm.
Skin contact:	If poisoned by skin absorption or through lungs, remove any contaminated clothing, wash skin thoroughly, and give atropine tablets as above. Get to a doctor or hospital quickly.
Eye contact:	If in eyes, hold eyes open and flood with water for at least 15 minutes and see a doctor.
Ingestion:	If swallowed give one atropine tablet every 5 minutes until dryness of the mouth occurs.
First Aid Facilities:	Provide washing facilities in the workplace.
Symptoms:	Some symptoms of overexposure that can arise if the product is mishandled are: Mild: headache, blurred vision, weakness, giddiness, sweating, mild chest pain, nausea and vomiting. Severe: cyanosis, muscular twitching, spasms, miosis and respiratory paralysis.
Medical attention:	Apply basic aid and decontamination procedures. Treat symptomatically and if necessary apply artificial respiration and administer antidote. Antidote: atropine sulfate at 5-10 minute intervals until dryness of the mouth occurs. This will relieve the muscarinic effects. Atropine should not be given to a cyanosed patient. In cases of severe poisoning (respiratory depression and muscle twitching) administer pralidoxime (preferably less than 48 hours after exposure) to relieve the nicotinic effects.

5. FIRE FIGHTING MEASURES

Extinguishing media:	Water fog, foam, carbon dioxide, extinguishing powder
Hazards from combustion products:	If involved in a fire: sulphur dioxide, phosphorus pentoxide may be emitted.
Precautions for fire fighters:	Fight fire in the early stages if safe to do so. Wear respiratory protection.

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Well ventilated areas: wear full face mask with combination filter eg., ABEK-P2 (offers no protection from carbon monoxide).
Enclosed premises: wear respirator with independent air supply.

6. ACCIDENTAL RELEASE MEASURES

Prevent spillage from spreading or entering waterways and underground drains. Work from up-wind side of spill. Stop leaks if possible. Take up with absorbent material such as sawdust, peat or chemical binding agent. Fill material along with any contaminated soil etc. into sealable containers. Clean affected area with an aqueous detergent and a small amount of water. Absorb this with hydrated lime and place in a sealable drum. Spread hydrated lime over the affected area. On completion of cleanup remove and wash all protective clothing and equipment with detergent and water. Do not smoke, drink or eat during clean-up procedure.

7. HANDLING AND STORAGE

Handling: Product is poisonous if absorbed by skin contact, inhaled or swallowed. Avoid contact with eyes and skin. Do not inhale spray mist. When preparing the spray wear elbow-length PVC gloves and face shield. If product on skin immediately wash with soap and water.
Avoid contact with eyes or skin. Do not inhale spray mist.
Clean working clothes and protective equipment with soap and water.
If product is on skin immediately wash area with soap and water.
After use, and before eating, drinking or smoking, wash hands arms and face thoroughly with soap and water.
After each day's use wash gloves, face shield and contaminated clothing.

Storage: Keep out of reach of children.
Store away from food, drink or animal feeding stuffs.
Store below 30 degrees C. Keep away from heat or moisture.
Store in the closed, original container in a well ventilated area as cool as possible. Do not store for prolonged periods in direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure standards: Fenthion - TWA 0.2 mg/cu metre (ACGIH)
Xylene - TWA 350 mg/cu metre (80 ppm) (NOHSC)
STEL 655 mg/cu metre (150 ppm) (NOHSC)

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Engineering controls: No engineering controls are required for the normal use of this product according to label.

Personal Protective Equipment: When using the product wear elbow-length PVC gloves and face shield.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear brownish emulsifiable concentrate (liquid)

Odour: Typical of the solvent

Vapour pressure: 0.00004 mbar at 20 degrees C (active constituent)

Vapour density: Not available

Boiling point: Not available

Freezing/melting point: Not available

Solubility: Emulsifiable

Density: 1.060 kg/litre

pH: Not relevant

Flash Point: PM DIN 51758: >28 degrees C

Flammability (explosive) limits: Not available

Auto-ignition temperature: Not available

Octanol/water partition coefficient: Not available

Formulation: Emulsifiable concentrate

10. STABILITY AND REACTIVITY

Chemical stability: Product is Stable

Hazardous polymerisation: None

Conditions to avoid: Keep away from heat or moisture.

Incompatible

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materials: Avoid strong oxidants

**Hazardous
decomposition
products:**

Oxides of carbon and nitrogen and compounds of chlorine may be given off when exposed to extreme heat or fire.

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

No adverse effects are expected if this product is used in accordance with the label. Most cases of organophosphate poisoning result from skin absorption due to inadequate protection during preparation or use. Organophosphates act by inhibiting cholinesterase.

Inhalation: Not available

Skin contact: Can be absorbed through skin; may irritate the skin.

Eye contact: May irritate the eyes.

Ingestion: Ingestion of the product can lead to poisoning.

Other: None

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ANIMAL TOXICITY DATA – PRODUCT: No data available for the product.

ANIMAL TOXICITY DATA – INDIVIDUAL INGREDIENTS:

Acute:

Oral toxicity: LD₅₀ Oral (ingestion) - rat 215 mg/kg (Fenthion)
Dermal toxicity: LD₅₀ Dermal (skin contact) - rat 1,600 mg/kg (Fenthion)

Inhalation toxicity: Not available

Skin irritation: Not available

Eye irritation: Not available

Sensitisation: Not available

Chronic: Animal studies show no evidence of carcinogenic or teratogenic potential

12. ECOLOGICAL INFORMATION

DO NOT feed treated seed or otherwise expose to wildlife or domestic birds. DO NOT contaminate streams, rivers, or waterways with the chemical, used containers, treated seed or bags which have held treated seed.

Fish toxicity: Oysters LC₅₀ 0.6 ppm
Blue crab LC₅₀ 0.006 ppm
White mullet LC₅₀ 1.7 ppm

Daphnia toxicity: Not available

Toxicity to algae: Not available

Bird toxicity: Mallards LD₅₀ 5.9 mg/kg
Pheasants LD₅₀ 17.8 mg/kg
Pigeons LD₅₀ 4.6 mg/kg
Other birds LD₅₀ 1.3-26 mg/kg

Bee toxicity: Fenthion is a toxic to bees.
No further information

Other: No data available
Environmental fate, persistence and degradation: Not available

13. DISPOSAL CONSIDERATIONS

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1) After intended use: Triple or (preferably) pressure rinse container before disposal. Add rinsings to the spray tank. Do not dispose of undiluted chemicals on site. Break, puncture, crush and bury rinsed container in a local authority landfill. If not available, bury container below 500 mm in a marked disposal pit specifically set up for this purpose clear of waterways, vegetation and roots. Empty container and product should not be burnt.

2) After spill or accident: Dispose of sealed containers at an approved local waste disposal site, marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt. Dispose of waste product through a reputable waste contractor. If disposal of unwanted treated seed is necessary, bury seed below 500 mm in a disposal pit, specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots.

14. TRANSPORT INFORMATION

UN number: 3017
Proper shipping name: Organophosphorus Pesticide, Liquid, Toxic, Flammable
Class and Subsidiary Risk: 6.1
Subsidiary risk 3
Packing Group: III
EPG: Not applicable
Hazchem code: 3W
Marine Pollutant: Very toxic to aquatic animals

15. REGULATORY INFORMATION

Registered according to the Agricultural and Veterinary Chemicals Act 1988
National Registration Authority approval number: 32999

16. OTHER INFORMATION

Trademark information: Baytex® is a Registered Trademark of Bayer.

Preparation information: Replaces June 24 1999 edition.
Reason for update: Conversion to 16 heading format.

Data sources: Bayer CropScience Pty Ltd product safety data and published data

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the

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product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

END OF MSDS