

Material Safety Data Sheet

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Hazardous according to criteria of Worksafe Australia

Kendon Fenitrothion 1000EC

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY DETAILS:

Kendon Chemical & MNFG. Co. Pty Ltd
71 McClure Street
Thornbury, Vic, 3071
Phone: 03 9497 2822
Fax: 03 9499 7225

Product Name: Kendon Fenitrothion 1000EC

Synonyms:

Manufacturer's Product Code(s): A150

Use: An insecticide for the control of locusts and grasshoppers.

UN Number: 3017

Proper Shipping Name: organophosphorous, pesticide, liquid, toxic, flammable, flashpoint not less than 23⁰C

Dangerous Goods Class: 6.1

Subsidiary risk: None allocated

Packing Group: III

Hazchem Code: 3 WE

Poison Schedule: S6

2. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	Proportion	CAS Number
Fenitrothion	100% (w/v)	122-14-5
Ingredients determined not to be hazardous	to 100%	-

3. HAZARD IDENTIFICATION

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HEALTH EFFECTS

Oral LD ₅₀ rats:	1037mg/kg (male) mg/kg (female)
Dermal LD ₅₀ rats:	>2000 mg/kg (male), >2000 mg/kg (female)
Irritation of the skin (rabbit):	data not available
Sensitisation:	data not available
Eye irritation	data not available

ACUTE HEALTH EFFECTS

Swallowed:

If swallowed, contact a doctor or Poisons Information Centre Tel: 131126 as soon as possible.

Eye:

Irrigate eyes immediately with water for 15 minutes. Consult a doctor.

Skin:

If skin contact occurs, remove contaminated clothing and wash skin thoroughly.

Inhaled:

Remove patient to fresh air. Keep patient rested and warm. If symptoms persist consult a doctor.

Chronic:

Pilo-erection, abnormal body carriage (hunched posture), abnormal gait (waddling), lethargy, decreased respiratory rate, pallor of extremities, increased salivation and body tremors were observed.

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4. FIRST AID MEASURES

Swallowed:

If swallowed occurs, contact a doctor or Poisons Information Centre (ph: 13 11 26).

Eye:

Immediately irrigate with copious quantities of water for at least 15 minutes.

Seek medical assistance. Show this MSDS to a medical practitioner.

Skin:

If material is splashed onto the skin, remove any contaminated clothing and wash skin thoroughly with water and soap if available and give atropine tablet every 5 minutes until dryness of the mouth occurs.

Consult doctor or poisons Centre 131126.

Inhaled:

Remove victim to fresh air. Apply resuscitation if victim is not breathing - DO NOT USE DIRECT MOUTH - TO - MOUTH METHOD if victim ingested or inhaled substance; use alternative respiratory method or proper respiratory device - Administer oxygen if breathing is difficult.

Give on atropine tablet every 5 minutes until dryness of the mouth occurs. Seek immediate medical assistance.

First Aid Facilities:

Eye wash fountain, safety shower and normal wash room facilities.

Advice to Doctor:

If swallowed give on atropine tablet every 5 minutes until dryness of the mouth occurs. If poisoned by skin absorption or through lungs, remove any contaminated clothing, wash skin and give atropine tablets as above.

Administer Atropine.

5. FIRE-FIGHTING MEASURES

Fire/Explosion Hazard**Dangerous decomposition or Combustion Products****Thermal decomposition**

Flash point >30⁰c

Hazardous decomposition products

Normal combustion forms carbon dioxide and water vapour, and may produce oxides of sulphur, nitrogen and phosphorous.

Hazardous reactions

No data available

Extinguishing Media

Use carbon dioxide or dry chemical.

Further information

Special firefighting procedures: Wear full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

EMERGENCY ACTION:

Keep unnecessary people away; Isolate hazard area and deny entry. Stay upwind; Keep out of low areas. Isolate for 100 m in all directions if tank, rail car or tanker truck is involved in fire.

SPILL OR LEAK PROCEDURE:

Shut off ignition sources, no flares, smoking or flames in hazard area. Stop leak if you can do it without risk. Water spray may reduce vapour; but it may not prevent ignition in closed spaces.

SMALL SPILLS:

Take up with sand, dirt or vermiculite. DO NOT use sawdust. Use non-sparking tools. Place into labelled drum(s) for later disposal.

LARGE SPILLS: Notify Emergency Services (Police or Fire Brigade). Tell them location, nature and any information that would be helpful. Contain spill. Remove all ignition sources and safely stop flow of spill. Bund area. Trained personnel should wear Personal Protective equipment as highlighted in this MSDS. Blanket the spill with foam or use water fog to disperse vapour clouds. Consult an expert regarding disposal of this product.

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7. HANDLING AND STORAGE

Store in a cool place, out of direct sunlight and a well-ventilated area. Store in original packages as approved by manufacturer. Check all fittings, valves, reticulation (piping) and any ancillary equipment for leaks. A supplied air respirator or a Self-Contained Breathing Apparatus (SCBA) for emergencies should be available and checked regularly. For further information please refer to the Engineering Controls of this MSDS.

Keep out of reach of children.

Wear long sleeved overalls and gloves while handling. After handling and before eating, drinking or smoking wash hands, arms and face thoroughly with soap and water.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards

NOSC exposures standards have not been assigned for the active ingredient.

Engineering Controls

Keep the work place well-ventilated to minimize worker inhalation of mist.

Personal Protection Equipment

CLOTHING: PVC, Nitrile, Neoprene, Natural rubber or any other type of apron or splash suit as recommended by the manufacturer.

GLOVES: PVC, Nitrile, Neoprene, Natural rubber or any other type of glove as recommended by the manufacturer.

EYES: Chemical goggles or face shield to protect eyes.

RESPIRATORY PROTECTION: Avoid breathing of gases. Select and use respirators in accordance with AS/NZS 1715/1716. When gases exceed the exposure standards then the use of an atmosphere-supplied, positive pressure demand self-contained or airline breathing apparatus supplied air respirator complying with the requirements of AS/NZS 1715 is recommended. Filter capacity and respirator type depends on exposure levels.

If entering spaces where the airborne concentration of a contaminant is unknown then the use of a Self-contained breathing apparatus (SCBA) with positive pressure air supply complying with AS/NZS 1715 / 1716, or any other acceptable International Standard is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear Brown liquid.

Odour: Characteristic odour

Boiling Point: Not available

Melting Point: Not applicable

Vapour Pressure: Not applicable

Specific Gravity: Not applicable

Flash Point: Non flammable

Flammability Limits:

Solubility in Water: at 20 c emulsifiable in water.

Other Properties

pH: 3.0 – 7.0

Chemical Characterisation: Chemical group Organophosphate

10. TOXICOLOGICAL INFORMATION

RISK PHRASES

R22 Harmful if swallowed.

SAFETY PHRASES

S2 Keep out of reach of children.

S22 Do not breathe mist.

S24 Avoid contact with skin.

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11. ECOLOGICAL INFORMATION

This substance may cause long term adverse effects in the environment

12. DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste by an approved waste agency. Processing, use or contamination of this product may change the waste management options. Dispose of container and unused contents in accordance with federal, state and local requirements.

13. TRANSPORT INFORMATION

UN Number: 3017

Proper Shipping Name: organophosphorous, pesticide, liquid, toxic, flammable, flashpoint not less than 23⁰c

Dangerous Goods Class: 6.1

Subsidiary risk: 3

Packing Group: III

Hazchem Code: 3 WE

Classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail, 6th Edition.

Dangerous goods of Class 6 (Toxic) are incompatible in a placard load with any of the following:

- Class 1
 - Class 3, if the Class 3 dangerous goods are nitromethane
 - Class 8, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids;
- and are incompatible with food and food packaging in any quantity.

Emergency information(Transport):

Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:1997)

For TOXIC SUBSTANCES - Guide No: 34

14. REGULATORY INFORMATION

Poison Schedule: S6

15. OTHER INFORMATION

Contact Point

Technical Department
03 9497 2822

After Hours
mobile: 0418-530-461

Disclaimer

The information herein is to the best of our knowledge, correct and complete. It describes the safety requirements for this product and should not be construed as guaranteeing specific properties. Since methods and conditions are beyond our control we do not accept liability for any damages resulting from the use of, or reliance on, this information in inappropriate contexts.