

# SAFETY DATA SHEET



## PCT International Pty Ltd

ABN 44 101 170 923

Unit 5 / 74 Murdoch Circuit, ACACIA RIDGE QLD 4110

[sales@pct.au.com](mailto:sales@pct.au.com)

Ph: 61 7 3711 7022

Fax: 61 7 3711 7055



Classified as non-hazardous according to criteria of SWA

### SECTION 1 – IDENTIFICATION of PRODUCT & COMPANY

**Product Name:** SureFire ALLROUNDER ready-to-use insecticide  
**Product Code:** none  
**Product Use:** domestic household spray for use as per the label.  
**Poison Schedule:** S5  
**Supplier:** PCT International Pty Ltd  
**ABN:** 44 101 170 923  
**Street Address:** Unit 5 / 74 Murdoch Circuit, ACACIA RIDGE QLD 4110  
**Telephone:** + 61 7 3711 7022  
**Facsimile:** + 61 7 3711 7055

**Emergency telephone No: 1800 630 877** (all hours)

**MSDS Creation Date:** 16<sup>th</sup> July, 2013

### SECTION 2 - HAZARDS IDENTIFICATION

#### Statement of Hazardous Nature

This product is classified as: Xn, Harmful. N, Dangerous to the environment.  
Not classified as hazardous according to the criteria of Safe Work Australia.

#### Risk Phrases:

R52. Harmful to aquatic organisms.

#### Safety Phrases:

S23, S24/25. Do not breathe mists. Avoid contact with skin and eyes.

**SUSMP Classification:** S5

**ADG Classification:** None allocated. Not a Dangerous Good under the ADG Code.

**UN Number:** None allocated

#### Emergency Overview

#### Physical Appearance

**Form:** Liquid

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**Colour:** white opaque  
**Odour:** slight characteristic odour  
**Water Solubility:** forms a solution  
**Major Health Hazards:** none found

## Potential Health Effects

**Eyes:** Temporary irritation to the eyes and conjunctivitis.  
**Skin:** Contact with the skin may cause slight irritation.  
**Ingestion:** The product is harmful if swallowed.  
**Inhalation:** Inhalation of spray may cause transient irritation of mucous membranes of the nose, throat and respiratory tract.

## **Primary Routes of**

**Entry:** Eyes, Skin, Inhalation, Ingestion  
**Target Organs:** Eyes, Skin, Respiratory Tract, Digestive System  
**Carcinogenicity:** Not listed by NTP, IARC, ACGIH or OSHA as a carcinogen

## SECTION 3 - COMPOSITION AND INFORMATION ON INGREDIENTS

**Chemical Formulation Type:** Liquid solution

Ingredients	CAS Number	Concentration (g/L)
Esfenvalerate	66230-04-4	1g/L
Other non hazardous ingredients (including water)		to 100%

This is a commercial product where the exact ratio of components may vary slightly. Minor quantities of other non-hazardous ingredients may also be present.

## SECTION 4 - FIRST-AID MEASURES

**Eyes:** Flush eye(s) for 15 minutes or more- If irritation persists, consult a doctor (preferably an eye specialist) and show this MSDS.  
**Skin:** Carefully remove any contaminated clothing, including footwear, and wash affected areas with plenty of soap and water.  
**Ingestion:** Rinse mouth and then drink plenty of water. Do not induce vomiting. If swallowed seek medical advice and show this MSDS.  
**Inhalation:** Remove affected person from site of exposure to fresh air until recovered. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Seek medical attention if symptoms persist.  
**First Aid Facilities:** If poisoning occurs, contact a doctor or Poisons Information Centre on **13 11 26** (Australia).  
**General Advice:** Remove soiled or soaked clothing immediately.

**Information for doctor:** Institute symptomatic and supportive measures as required.

## SECTION 5 - FIRE-FIGHTING MEASURES

**Flash Point:** Non-flammable  
**Autoignition Temperature:** Not applicable.  
**Upper Explosion Limits:** Not applicable.  
**Lower Explosion Limits:** Not applicable.  
**Suitable Extinguishing Media:** Water spray, carbon dioxide, BCF, foam or dry chemical.  
**By-products in case of Fire:** No specific data available, although byproducts are not expected to be harmful..

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**Further Information:** Keep unnecessary persons away from the area. If safe to do so, remove intact containers, otherwise use water spray to cool them. Collect contaminated firefighting water separately, by bunding the area with sand or earth. Fire control water must not be discharged into drains.

**Special Protective Equipment for Firefighters:** As in any fire, water, self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective clothing.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### Methods for Cleaning Up/ Taking Up:

Spills: Dealing with spills has the potential to increase the risk of personal exposure- during such operations, ensure that protective clothing is worn as detailed in Section 8. Avoid contact with spilled material or contaminated surfaces. Keep people and animals away. Prevent spillage from entering drains, sewers or watercourses. If contamination thereof is unavoidable, warn the local water authority. Spills should be contained and absorbed with soil, sand, sawdust, clay, cat litter or other similar material, and once absorption is complete, this material then be placed in sealable, labeled, drums for safe disposal in an approved landfill, and in accordance with the requirements of local or State Waste Management Authorities. Alternatively, bury under at least 500<sup>mm</sup> of soil in an area away from crops, pastures, homes or water sources. To decontaminate spill area, tools and equipment, wash with a suitable solution, e.g. organic solvent, detergent, bleach or caustic, and add this material to the drums of waste already collected. Label all contents. Do not burn empty containers or product. Minor spills can be cleaned up with rags or other absorbent material and placing these and the empty container in a sealed plastic bag in the garbage.

## SECTION 7 - HANDLING AND STORAGE

### Advice on safe

**Handling:** Keep out of reach of children. Avoid contact with eyes and skin. Wash hands after use, and before smoking or eating / drinking. No particular protective equipment is recommended for use of this product.

### Advice on protection against fire and explosion:

Not flammable- no special measures required.

**Storage information:** Keep product in the **original container**, tightly closed, in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight. Optimal storage temperature of product is within the range of 5°C – 30°C.

## SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

### General protective Measures:

No particular equipment is usually needed for occasional use of small quantities of this product. The instructions below are for regular exposure and/or bulk handling. Avoid contact with eyes and skin. Do not inhale mists.

**Hygiene Measures:** No smoking, eating or drinking allowed when using this product. Wash hands before breaks and at end of work shift. Protective ointment is recommended.

### Respiratory Protection:

This product is intended for use in well ventilated areas only. In case of formation of mists or vapours, an organic vapour cartridge respirator (properly fitting half-face or full-face) should be used.

**Hand Protection:** Elbow length PVC gloves should be worn when using this product.

**Eye Protection:** Safety goggles and/or face shield is recommended when using this product.

**Protective clothing:** Cotton overalls buttoned to the neck and wrist, and a washable hat, are required when using this product.

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**Engineering Controls:** No specific recommendations since product is intended for open-air applications.

Exposure limits have not been established by SWA for any of the significant ingredients in this product. The ADI for Esfenvalerate is set at 0.008mg/kg/day, and NOEL is set at 7.5mg/kg/day.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** White opaque liquid  
**Odour:** slight characteristic odour.  
**Solubility in Water:** Soluble.  
**Specific Gravity (H<sub>2</sub>O=1):** approx. 1.0 @ 20°C  
**pH Value:** 5.3 @ 20°C  
**Vapour Pressure:** 2.37 kPa at 20°C  
**Melting Temperature:** not applicable  
**Boiling temperature:** 100°C approx.  
**Viscosity, dynamic:** not measured

## SECTION 10 - STABILITY AND REACTIVITY

**Conditions to avoid:** None with proper storage and handling.  
**Decomposition:** Not measured.  
**Hazardous reactions:** No hazardous reactions with proper storage and handling  
**Hazardous Polymerization:** Unlikely to occur.  
**Stability:** Stable under normal conditions of storage and use.  
**Hazardous decomposition products:** None with proper storage and handling.

## SECTION 11 - TOXICOLOGICAL INFORMATION

**Acute Toxicity - Oral:** LD<sub>50</sub> (rat) 458 mg/kg approx.  
**Acute Toxicity - Inhalation:** LC<sub>50</sub> (rat) >2.93mg/L exposure time 4h method  
**Acute Toxicity - Dermal:** LD<sub>50</sub> (rabbit) 2580mg/kg  
**Eye Irritation:** (Species - rabbit) moderate irritant  
**Skin Irritation:** (Species - rabbit) mild irritant  
**Skin Sensitisation:** (Species - guinea pig) non-sensitising  
**Note:** harmful by inhalation and in contact with skin  
Irritant to skin  
The toxicological data refer to the undiluted 100% formulated product.

## SECTION 12 - ECOLOGICAL INFORMATION

**Ecotoxicity Effects:**  
**Acute Toxicity – Fish:** LC<sub>50</sub> for rainbow trout is 0.001mg/L.  
**Acute Toxicity - Daphniae:** EC<sub>50</sub> for daphnia magna – 0.009mg/L  
**Acute Toxicity – Bees:** LD<sub>50</sub> 0.017µg/bee  
**Acute Toxicity – Birds:** LD<sub>50</sub> for Japanese Quail is 1315mg a.i./Kg  
**Further ecological information:**  
**Ecological notes:** This product is classified as immobile in soil and is not expected to leach. Do not discharge product unmonitored into the environment. Esfenvalerate is

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readily soluble in water and is stable. It is rapidly degraded in surface levels of soils and in water. This product is very toxic to aquatic organisms and is toxic to bees. The product is considered to be biodegradable. The potential for groundwater contamination with Esfenvalerate is minimal. The ecotoxicological data refer to the undiluted 100% product.

## SECTION 13 - DISPOSAL CONSIDERATIONS

**ALWAYS DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.**

**Product Disposal:** In accordance with local authority regulations, take to special waste incineration plant.

**Container Disposal:** Dispose of empty, used containers by triple rinsing, or preferably pressure rinsing. Add the rinsate to the spray tank or dispose of the rinsate in a disposal pit away from desirable plants and their roots and from watercourses. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return cleaned containers to a recycler or designated collection point. If not recycling, break, crush or puncture empty containers and bury in a local authority landfill. If no landfill available, bury the containers at least 500<sup>mm</sup> deep in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

## SECTION 14 - TRANSPORT INFORMATION

**Storage and Transport:** Considered non – dangerous goods for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

## SECTION 15 - REGULATORY INFORMATION

**APVMA Approval No:** 67663-56576

**Poisons Schedule:** S5

**Packaging &**

**Labeling:** READ SAFETY DIRECTIONS BEFORE OPENING OR USING

**Hazard Category**

**AICS (Australia):** Listed on the Australian Inventory of Chemical Substances.

## SECTION 16 - OTHER INFORMATION

**Contact Person/Point:** Mr David Pearson Phone: (07) 3711 7022

**This SDS contains only safety-related information. For other data, see product literature.**

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...End of MSDS...