

Chemical Factsheet

Propetamphos

General Information

- Product Names:
 - **Zoecon 9001 EW** (Wellmark International)
 - **Safrotin** (Sandoz)
- Chemical Class: Organophosphate insecticide
- Uses: Used indoors for the control of insects, primarily ants, cockroaches, fleas, and termites.
- Alternatives: [Least-toxic controls of ants](#), [cockroaches](#), [fleas](#), and [termites](#)
- Beyond Pesticides rating: [Toxic](#)

Health and Environmental Effects

See citations at end of document.

- Cancer: Not documented
- Endocrine Disruption: Not documented
- Reproductive Effects: Not documented
- Neurotoxicity: Yes (1)
- Kidney/Liver Damage: Yes (1)
- Sensitizer/ Irritant: Not documented
- Birth/Developmental: Not documented
- Detected in Groundwater: Not documented
- Potential Leacher: Not documented
- Toxic to Birds: Yes (2)
- Toxic to Fish/Aquatic Organisms: Yes (2)
- Toxic to Bees: Not documented

Residential Uses as Found in the ManageSafe™ Database

- [Cockroaches](#)

Additional Information

- Regulatory Status:
 - [EPA Reregistration Eligibility Decision \(RED\) signed](#) (7/2006)
 - Beyond Pesticides' Organophosphate cumulative risk [comments](#)
- Supporting information:
 - [Asthma, Children and Pesticides](#) (Beyond Pesticides)
 - [Extoxnet Propetamphos Factsheet](#) (Extension Toxicology Network)
 - [PAN Pesticides Database:Propetamphos](#) (Pesticide Action Network)
 - [Scorecard Propetamphos Factsheet](#) (The Pollution Information Site)

Gateway Health and Environmental Effects Citations

1. US EPA, 2000. Table 1: Toxicity Data by Category for Chemicals Listed under EPCRA Section 313.

Toxic Release Inventory (TRI) Program.

https://www.epa.gov/sites/production/files/documents/hazard_categories.pdf

2. US EPA, Office of Prevention, Pesticides and Toxic Substances, Reregistration Eligibility Decisions (REDs), Interim REDS (iREDs) and RED Factsheets.

<https://archive.epa.gov/pesticides/reregistration/web/html/status.html>.

Factsheet generated on January 31, 2026