

# Chemical Factsheet

## Propoxur

### General Information

- Fact Sheet: [Propoxur.pdf](#)
- Product Names:
  - TAT** (Walco Linck)
  - Ortho Ant** (Scotts Company)
  - Flea & Tick Collar** (Zodiac Pet Care Products)
  - Adams Dual Action Flea & Tick Collar for Dogs** (Farnam Companies), formulated with N-Octyl bicycloheptene dicarboximide (MGK 264), [Sumithrin](#)
  - Baygon** (Bayer Environmental Science)
  - PYROCID** (McLaughlin Gormley King), formulated with N-Octyl bicycloheptene dicarboximide, [Piperonyl butoxide](#), [Pyrethrins](#)
  - Raid Wasp & Hornet Killer III** (S.C. Johnson & Son), formulated with [Tetramethrin](#)
  - Raid Max Roach & Ant Killer 6** (S.C. Johnson & Son), formulated with [Piperonyl butoxide](#), [Pyrethrins](#), [Cyfluthrin](#)
- Chemical Class: Carbamate insecticide
- Uses: Control ants, roaches and hornets in and around residences and commercial food handling establishments, also found in flea collars.
- Alternatives: [Least-toxic Roach control](#), [Least toxic hornet control](#)
- Beyond Pesticides rating: [Toxic](#)

### Health and Environmental Effects

*See citations at end of document.*

- Cancer: Probable (1)
- Endocrine Disruption: Not documented
- Reproductive Effects: Yes (2)
- Neurotoxicity: Yes (3)
- Kidney/Liver Damage: Yes (3)
- Sensitizer/ Irritant: Not documented
- Birth/Developmental: Not documented
- Detected in Groundwater: Not documented
- Potential Leacher: Yes (1)
- Toxic to Birds: Yes (3)
- Toxic to Fish/Aquatic Organisms: Yes (3)
- Toxic to Bees: Yes (3)

### Residential Uses as Found in the ManageSafe™ Database

- [Bed Bugs](#)
- [Cockroaches](#)
- [Fleas](#)
- [Ants](#)
- [Mosquitoes](#)

## Additional Information

- Regulatory Status:
  - [EPA Reregistration Eligibility Decision \(RED\) signed](#) (9/1997)
- Supporting information:
  - [Asthma, Children and Pesticides](#) (Beyond Pesticides)
  - [Extoxnet Propoxur Factsheet](#) (Extension Toxicology Network)
  - [PAN Pesticides Database:Propoxur](#) (Pesticide Action Network)
  - [Scorecard Propoxur Factsheet](#) (The Pollution Information Site)
  - [Propoxur in Tapwater](#) (Environmental Working Group)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
  - [Comparison of pesticide levels in carpet dust and self-reported pest treatment practices in four US sites](#). Colt, J. et. al. 2004. *Journal of Exposure Analysis and Environmental Epidemiology* 14:74-83.
  - [A pilot study of pesticides and PCBs in the breast milk of women residing in urban and agricultural communities of California.](#) Weldon RH, Barr DB, Trujillo C, et al. 2011. *J Environ Monit.* 13(11):3136-44.
  - [Analysis of Environmental Chemical Mixtures and Non-Hodgkin Lymphoma Risk in the NCI-SEER NHL Study.](#) Czarnota J, Gennings C, Colt JS, De Roos AJ, et al. 2015. *Environ Health Perspect.* 123(10):965-70
  - [Association between prenatal pesticide exposures and the generation of leukemia-associated T\(8;21\).](#) Lafiura, K.M., et al. 2007. *Pediatr Blood Cancer* 48(5):624-628
  - [Cohort mortality and nested case-control study of lung cancer among structural pest control workers in Florida \(United States\).](#) Pesatori, A.C., et al. 1994. *Cancer Causes and Control* 5:310-318.
  - [Biochemical effects of some pesticides on lipid peroxidation and free-radical scavengers.](#) B.D. Banerjee, V. Seth, A. Bhattacharya, S.T. Pasha, A.K. Chakraborty, Biochemical effects of some pesticides on lipid peroxidation and free-radical scavengers, *Toxicology Letters*, Volume 107, Issues 1-3, 1999, Pages 33-47, ISSN 0378-4274, [https://doi.org/10.1016/S0378-4274\(99\)00029-6](https://doi.org/10.1016/S0378-4274(99)00029-6).

## Gateway Health and Environmental Effects Citations

1. 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>.
2. Registry of Toxic Effects of Chemical Substances (RTECS).  
<http://www.cdc.gov/niosh/rtecs/default.html>
3. Extension Toxicology Network (EXTOXNET) Pesticide Information Profiles.  
<http://extoxnet.orst.edu/pips/ghindex.html>

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