

Chemical Factsheet

Cinnamon Oil

General Information

- Product Names:
 - Bed Bug Repellent Spray** (Rest Easy)
 - Insect Repellent** (Ecosmart)
 - Snake Out Snake Repellent** (Nisus)
- Chemical Class: Biopesticide
- Uses: Insecticide for ants, aphids, mealy bugs, mosquitos; animal repellent; antibacterial
- Beyond Pesticides rating: [Least-toxic](#)

Health and Environmental Effects

See citations at end of document.

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

Residential Uses as Found in the ManageSafe™ Database

- [Fleas](#)
- [Tree Squirrels](#)
- [Deer](#)

Additional Information

- Regulatory Status:
 - [EPA Chemical Search, Cinnamon](#)
 - [EPA Minimum Risk \[FIFRA 25\(b\)\] Pesticides](#)
- Supporting information:
 - [Daily News](#) (Beyond Pesticides)
- Studies:
 - [Chemical composition and mosquito larvicidal activity of essential oils from leaves of different *Cinnamomum osmophloeum* provenances](#). Cheng, S., Liu, J., Tsai, K., Chen, W, and Chang S. 2004. *Journal of Agricultural and Food Chemistry*.
 - [The battle against multi-resistant strains: Renaissance of antimicrobial essential oils as a](#)

[promising force to flight hospital acquired infections.](#) Warnke, P., Becker, S., Podschun, R., Sivananthan, S., Springer, I., Russo, P., Wiltfang, J., Fickenscher, H., and Sherry, E. 2009. *Journal of Cranio-Maxillofacial Surgery*.

Factsheet generated on May 7, 2026