

# Chemical Factsheet

## Thymol oil

### General Information

- Product Names:
  - Exomite** (Bayer)
  - Thymo-Cide** (Wexford Labs)
  - API Life** (Chemicals LAIF) formulated with [Oil of Eucalyptus](#), and Menthol
  - Apiguard** (Vita Limited)
  - Benefect Broad Spectrum Disinfectant** (Oh So Clean)
  - Clean Well Broad Spectrum Disinfectant** (Oh So Clean)
  - Thymox Disinfectant Spray** (Laboratorie M2)
- Chemical Class: Miticide, antimicrobial (Essential Oil)
- Uses: Animal repellents, [Insect repellent](#), fungicides/fungistats, medical disinfectants, tuberculocides, and virucides. Also used as a miticide in beehives. Variety of indoor and outdoor sites to control target pests including animal pathogenic bacteria and fungi, several viruses including HIV-1, and birds, squirrels, beavers, rats, mice, dogs, cats and deer. Thymol also has many non-pesticidal uses, including use in perfumes, food flavorings, mouthwashes, pharmaceutical preparations and cosmetics.
- 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: Yes (1)
- 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

### Additional Information

- Regulatory Status:
  - [EPA Reregistration Eligibility Decision \(RED\)](#) signed (9/1993)
  - [EPA factsheet](#)
  - [EPA Minimum Risk \(FIFRA 25\(b\)\) Pesticides](#)
- Supporting information:
  - [PAN Pesticides Database](#): (Pesticide Action Network)
- Studies:

- [Plant Essential Oils as Green Pesticides for Pest and Disease Management](#). Isman, M. 2004. *ACS. symposium series*

## **Gateway Health and Environmental Effects Citations**

1. EPA Pesticide Registration Review Status

[http://www.epa.gov/oppsrrd1/registration\\_review/reg\\_review\\_status.htm](http://www.epa.gov/oppsrrd1/registration_review/reg_review_status.htm)

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