

Chemical Factsheet

Phosphine

General Information

- Product Names:
 - ECO2FUME** (CYTEC)
 - VAPORPH3OS** (CYTEC)
- Chemical Class: Inorganic phosphine insecticide
- Uses: Indoor control of a broad spectrum of insects for non-food/non-feed commodities in sealed containers or structures.
- Alternatives: [Organic agriculture](#)
- Beyond Pesticides rating:

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: Yes (1)
- 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

- [Mice](#)
- [Termites](#)

Additional Information

- Regulatory Status:
 - [EPA Factsheet](#)
- Supporting information:
 - [PAN Pesticide Database](#) (Pesticide Action Network)

Gateway Health and Environmental Effects Citations

1. U.S. EPA, Office of Prevention, Pesticides and Toxic Substances, New Active Ingredients Factsheets: <http://web.archive.org/web/20120107215849/http://www.epa.gov/opprd001/factsheets/index.htm>

Factsheet generated on June 14, 2026