

Chemical Factsheet

Tetrachlorvinphos (TCVP)

General Information

- Product Names:
 - Rabon
 - Gardona
 - Equitrol Feed-Thru Fly Control
 - Hartz 2 In 1 Collar For Cats
 - Hartz 2 In 1 Collar For Dogs
 - Hartz 2 In 1 Plus Long Lasting Collar For Dogs
 - Hartz 2 In 1 Plus Seven Month Collar For Cats
 - Beetle Shield 6
 - Crown All Purpose Livestock And Poultry Dust With Rabon
- Chemical Class: Organophosphate insecticide
- Uses: Fleas, ticks, various flies, lice, and insect larvae on livestock and pets and their premises. Also applied as a perimeter treatment.
- Beyond Pesticides rating: [Toxic](#)

Health and Environmental Effects

See citations at end of document.

- Cancer: Yes (1, 2)
- 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: Not documented
- Toxic to Fish/Aquatic Organisms: Yes (1)
- Toxic to Bees: Yes (1)

Additional Information

- Regulatory Status:
 - [EPA Registration Documents](#)
- Supporting information:
 - [Daily News Blog](#)
 - [NRDC Petition](#)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
 - [Temporal trends of agricultural organophosphate pesticide use in California and proximity to pregnant people in 2021](#). Rotkin-Ellman, M., Carpenter, C., Richardson, M.J. et al. Temporal trends of agricultural organophosphate pesticide use in California and proximity

to pregnant people in 2021. BMC Public Health 25, 3121 (2025).

<https://doi.org/10.1186/s12889-025-23939-y>

- [Pre-conceptional and prenatal exposure to pesticides and pediatric neuroblastoma. A meta-analysis of nine studies.](#) Khan, A., Feulefack, J., & Sergi, C. M. (2022). Pre-conceptional and prenatal exposure to pesticides and pediatric neuroblastoma. A meta-analysis of nine studies. Environmental toxicology and pharmacology, 90, 103790. <https://doi.org/10.1016/j.etap.2021.103790>
- [Parental Pesticide Exposure and Childhood Brain Cancer: A Systematic Review and Meta-Analysis Confirming the IARC/WHO Monographs on Some Organophosphate Insecticides and Herbicides.](#) Feulefack, J., Khan, A., Forastiere, F., & Sergi, C. M. (2021). Parental Pesticide Exposure and Childhood Brain Cancer: A Systematic Review and Meta-Analysis Confirming the IARC/WHO Monographs on Some Organophosphate Insecticides and Herbicides. Children (Basel, Switzerland), 8(12), 1096. <https://doi.org/10.3390/children8121096>

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. California Environmental Protection Agency. Proposition 65: Chemicals Known to the State to Cause Cancer or Reproductive Toxicity. Office of Environmental Health Hazard Assessment. February 25, 2022. <https://oehha.ca.gov/media/downloads/proposition-65//p65chemicalslistsingletable2021p.pdf>

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