

Chemical Factsheet

Brodifacoum

General Information

- Fact Sheet: [Rodenticides.pdf](#)
- Product Names:
 - Final Soft Bait**
 - Formus All-Weather Blox**
 - Brodifacoum-25w Conservation**
 - Brodifacoum-25d Conservation**
 - Talon Soft**
 - Brodifacoum Paste**
 - Weather Blok Ag Bait With Bitrex**
 - Talon-G Rodenticide Pellets With Bitrex**
 - Talon Weatherblok Xt**
 - Havoc Rodenticide Bait Pack Pellets With Bitrex**
 - Final Rodenticide Place Pacs**
 - Final Rodenticide**
 - Final All-Weather Blox**
 - Final Rodenticide Ready-To-Use Place Pacs**
 - Bdf Chunks**
 - Bdf Rodenticide Bait**
 - Talon-G Rodenticide Bait Pack Mini-Pellets With Bitrex**
 - Brodifacoum Concentrate Ii**
 - Brodifacoum Concentrate**
 - Brodifacoum Technical**
 - Technical Brodifacoum**
- Chemical Class: 4-hydroxycoumarin
- Uses: as a second-generation anticoagulant rodenticide (SGAR) to control rats, mice, and other rodents that are resistant to other products.
- Alternatives: [Least-toxic Control of Mice](#), [ManageSafe™](#)
- Beyond Pesticides rating: [Toxic](#)

Health and Environmental Effects

See citations at end of document.

- Cancer: Not documented
- Endocrine Disruption: Not documented
- Reproductive Effects: Yes (1)
- 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: Yes (1)
- Toxic to Bees: Not documented

Additional Information

- Regulatory Status:
 - [EPA Assessment of the Risk to Nontarget Predators and Scavengers](#) (2005)
 - [EPA Office of Pesticide Programs Database](#)
 - [California DPR SGAR Assessment](#) (2013)
 - [EPA Releases Rodenticide Strategy, Including Final Biological Evaluation on the Effects of 11 Rodenticides on Endangered Species and Associated Mitigation](#) (2024)
- Supporting information:
 - [PAN Pesticides Database: Brodifacoum](#) (Pesticide Action Network)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
 - [Broad-scale pesticide screening finds anticoagulant rodenticide and legacy pesticides in Australian frogs](#). Rowley, J. et al. (2024) Broad-scale pesticide screening finds anticoagulant rodenticide and legacy pesticides in Australian frogs, *Science of The Total Environment*. Available at: <https://www.sciencedirect.com/science/article/pii/S004896972402672X>.
 - [Heavy rainfall provokes anticoagulant rodenticides' release from baited sewer systems and outdoor surfaces into receiving streams](#). Regnery, J. et al. (2020) Heavy rainfall provokes anticoagulant rodenticides' release from baited sewer systems and outdoor surfaces into receiving streams, *Science of The Total Environment*. Available at: <https://www.sciencedirect.com/science/article/pii/S0048969720334252>.
 - [Widespread detection of second generation anticoagulant rodenticides in Australian native marsupial carnivores](#). Lohr, M. et al. (2025) Widespread detection of second generation anticoagulant rodenticides in Australian native marsupial carnivores, *Science of The Total Environment*. Available at: <https://www.sciencedirect.com/science/article/pii/S004896972500467X>.
 - [Rodenticide contamination of cormorants and mergansers feeding on wild fish](#). Regnery, J. et al. (2024) Rodenticide contamination of cormorants and mergansers feeding on wild fish, *Environmental Chemistry Letters*. Available at: <https://link.springer.com/article/10.1007/s10311-024-01762-y>.
 - [Residue profiles of brodifacoum in coastal marine species following an island rodent eradication](#). Masuda, B. M., Fisher, P., & Beaven, B. (2015). Residue profiles of brodifacoum in coastal marine species following an island rodent eradication. *Ecotoxicology and environmental safety*, 113, 1-8. <https://doi.org/10.1016/j.ecoenv.2014.11.013>
 - [Non-target species mortality and the measurement of brodifacoum rodenticide residues after a rat \(Rattus rattus\) eradication on Palmyra Atoll, tropical Pacific](#). Pitt, William & Berentsen, Are & Shiels, Aaron & Volker, Steven & Eisemann, John & Wegmann, Alexander & Howald, Gregg. (2015). Non-target species mortality and the measurement of brodifacoum rodenticide residues after a rat (*Rattus rattus*) eradication on Palmyra Atoll, tropical Pacific. *Biological Conservation*. 185. 10.1016/j.biocon.2015.01.008.

Gateway Health and Environmental Effects Citations

1. National Library of Medicine. PubChem Hazardous Substances Database. [PubChem \(nih.gov\)](#)