

Chemical Factsheet

Streptomycin

General Information

- Product Names:
 - Agri-Mycin** (Nufarm)
 - Repar Strepto-Sulfate** (Repar)
 - Gustafson AG-Streptomycin** (Bayer)
 - Streptomycin 17** (AMVAC)
 - Ferti-lome Fire Blight Spray** (Voluntary Purchasing Groups)
- Chemical Class: Antibiotic
- Uses: Controls bacteria, fungi and algae, also used as a human antibiotic drug
- Alternatives: [Organic agriculture](#)
- Beyond Pesticides rating: [Toxic](#)

Health and Environmental Effects

See citations at end of document.

- Cancer: Not documented
- Endocrine Disruption: Not documented
- Reproductive Effects: Not documented
- Neurotoxicity: Yes (1)
- Kidney/Liver Damage: Yes (2)
- Sensitizer/ Irritant: Yes (1)
- Birth/Developmental: Not documented
- Detected in Groundwater: Yes (1)
- 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 Document](#) (signed 06/2006)
- Supporting information:
 - [PAN Pesticides Database: Streptomycin](#)
 - [EXTOXNET Extension Toxicology Network](#)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
 - [Dysbiosis and early mortality in zebrafish larvae exposed to subclinical concentrations of streptomycin.](#) Pindling, S., Azulai, D., Zheng, B., Dahan, D. and Perron, G.G., 2018. FEMS microbiology letters, 365(18), p.fny188.

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. Extension Toxicology Network (EXTOXNET) Pesticide Information Profiles.

<http://extoxnet.orst.edu/pips/ghindex.html>

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