

Chemical Factsheet

Methyl bromide

General Information

- Fact Sheet: [MethylBromide.pdf](#)
- Product Names:
 - Meth-O-Gas** (Great Lakes Chemical)
 - Terr-O-Gas** (Great Lake Chemical)
 - Brom-O-Gas** (Great Lakes Chemical) formulated with Chloropicrin
 - Pic-Brom** (Soil Chemicals)
 - Mebrom** (Mebrom NV)
- Chemical Class: Inorganic fungicide, insecticide, rodenticide
- Uses: Broad-spectrum fumigant chemical used as an acaricide, antimicrobial, fungicide, herbicide, insecticide, nematicide, and vertebrate control agent.
- Alternatives: [Organic agricultural](#)
- Beyond Pesticides rating: [Toxic](#)

Health and Environmental Effects

See citations at end of document.

- Cancer: Yes (1)
- Endocrine Disruption: Yes (2)
- Reproductive Effects: Not documented
- Neurotoxicity: Yes (1)
- Kidney/Liver Damage: Not documented
- Sensitizer/ Irritant: Yes (1)
- Birth/Developmental: Yes (1)
- Detected in Groundwater: Not documented
- Potential Leacher: Not documented
- Toxic to Birds: Not documented
- Toxic to Fish/Aquatic Organisms: Yes (3)
- Toxic to Bees: Not documented

Residential Uses as Found in the ManageSafe™ Database

- [Mice](#)

Additional Information

- Regulatory Status:
 - [EPA Reregistration Eligibility Decision \(RED\)](#) amended 5/2009
 - Because MeBr depletes the stratospheric ozone layer, it was to be phased-out in 2005, however, critical use exemptions allow for its continued use.
- Supporting information:
 - [Extoxnet Methyl Bromide Factsheet](#) (Extension Toxicology Network)
 - [PAN Pesticides Database: Methyl Bromide](#) (Pesticide Action Network)

- [Scorecard Methyl Bromide Factsheet](#) (The Pollution Information Site)
- Studies [compiled from the [Pesticide-Induced Diseases Database](#)]
 - [Top 15 Farmworker Poison](#)
 - [Prenatal and infant exposure to ambient pesticides and autism spectrum disorder in children: population based case-control study](#). von Ehrenstein, et al. 2019. BMJ 2019;364:i962

Gateway Health and Environmental Effects Citations

1. Beyond Pesticides ChemWatch Factsheets. (Cited under factsheets on [Beyond Pesticides Gateway](#); see top of individual chemical page)
2. European Commission. Endocrine Disruptors: Study on Gathering Information on 435 Substances with Insufficient Data. Final Report. EU DG Environment: B4-3040/2001/325850/MAR/C2. BKH Consulting Engineers: M0355037. November 2002.
http://ec.europa.eu/environment/chemicals/endocrine/pdf/bkh_report.pdf#page=76.
3. 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>.

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