



# POPs Chemicals

## Methoxychlor

**CAS No.** 72-43-5

**Full Name:** Methoxychlor

**Trade Name:** Dimethoxy-DDT; Dimethoxy-DT; DMDT; Para,para'-DMDT; ENT1716; Higalmetox; Maralate; Marlate; OMS 466; Metox; Methoxy-DDT; Prentox

**Synonyms:** 1,1-Bis(para-methoxyphenyl)-2,2,2-trichloroethane; 2,2-Bis(para-methoxyphenyl)-1,1,1-trichloroethane; 2,2-Di-para-anisyl-1,1,1-trichloroethane para,para'-dimethoxydiphenyltrichloroethane; 1,1,1-Trichloro-2,2-bis(para-methoxyphenyl)ethane; 1,1,1-Trichloro-2,2-di(4-methoxyphenyl)ethane; 1,10-(2,2,2-Trichloroethylidene)bis(4-methoxy-benzene); Di(para-methoxyphenyl)trichloromethyl methane

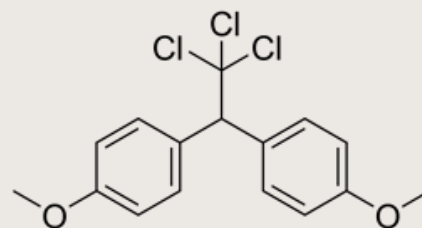
### Uses:

Methoxychlor is an organochlorine pesticide originally developed as a replacement for DDT. Methoxychlor has been used as an insecticide combating a wide range of pests including biting flies, houseflies, mosquito larvae, cockroaches, and chiggers. It has commonly been used in both agricultural and veterinary practices, for example for treating field crops, vegetables, fruits, stored grains, livestock, pets, homes, gardens, lakes, and marshes.

### Hazards and risks to human health and the environment:

Studies suggest that methoxychlor may pose risks to human health. It has been associated with endocrine-disrupting properties, impacting hormonal systems. Chronic exposure through ingestion, inhalation, or dermal contact may lead to adverse effects on reproductive health, including disruptions in fertility and developmental processes.

Methoxychlor's application in agriculture raises environmental concerns. It has been detected in water sources, soil, and air, indicating its potential to contaminate ecosystems. Methoxychlor's persistence in the environment can lead to bioaccumulation in aquatic organisms and terrestrial wildlife, affecting various species throughout the food chain.



### Reference

1. Proposal to list methoxychlor in Annex A to the Stockholm Convention on Persistent Organic Pollutants. Persistent Organic Pollutants Review Committee. 2019; UNEP/POPS/POPRC.15/4
2. Risk profile for methoxychlor. UNEP/POPS/POPRC.16/9/Add.1.
3. Risk management evaluation for methoxychlor. UNEP/POPS/POPRC.17/13/Add.1.



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