

Candidate POPs

Dicofol

CAS No. 115-32-2

HS Code: 2906299010

Full Name: Dicofol

Trade Name: 1,1-bis(4-chlorophenyl)-2,2,2-trichloroethanol; 4-chloro- α -(4-chlorophenyl)- α -(trichloromethyl)-; Acarin; AK-20 HC free; Benzenemethanol; Carbox; Cekudifol; CPCA; Decofol; Dicaron; Dichlorokelthane; Dicomite; Difol; DTMC; ENT 23648; FW293; Hilfol; Hilfol 18.5 EC; Kelthane; Kelthanethanol; Kelthane A; Kelthane (DOT); Kelthane Dust Base; Kelthane 35; Milbol; Mitigan; p,p'-dicofol; NA2761 (DOT); NCI-C00486

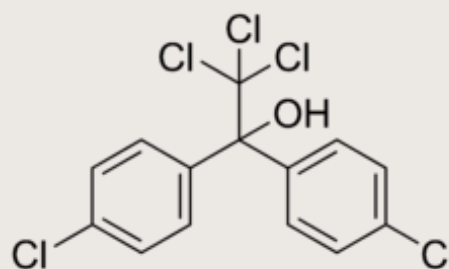
Synonyms: 1,1-bis(4-chlorophenyl)-2,2,2-trichloroethanol and 1-(2-chlorophenyl)-1-(4-chlorophenyl)-2,2,2-trichloroethanol (p,p'- and o,p'-isomer)

Uses:

Dicofol is an organochlorine miticidal pesticide that has been used in agriculture to control mites on a variety of field crops, fruits, vegetables, ornamentals, cotton, tea.

Hazards and Risks to human health and the environment:

Similar to DDT, dicofol is a toxic concentrated formulation found in the environment and humans with a long persistent and bioaccumulative property. Prolonged or repeated exposure to dicofol can cause skin irritation, hyperstimulation of nerve transmissions along nerve axons. Dicofol is highly toxic in fish, aquatic invertebrates, algae and in birds is tied to eggshell thinning and reduced fertility.



Reference

1. Risk profile on dicofol. Persistent Organic Pollutants Review Committee. 2017;UNEP/POPS/POPRC.13/7/Add.1
2. Extoxnet. Dicofol. 1993. (<http://pmep.cce.cornell.edu/profiles/extoxnet/carbaryl-dicrotophos/dicofol-ext.html>)
3. ChemService. Pesticides. What is dicofol? 2005. (<https://www.chemservice.com/news/2015/04/what-is-dicofol/>)