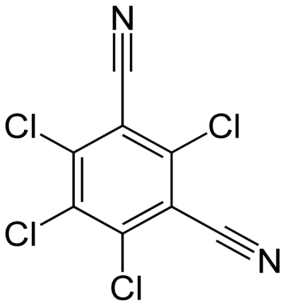
# Chlorothalonil 75 % WP

Chlorothalonil (2,4,5,6-tetrachloroisophthalonitrile) is a polychlorinated aromatic mainly used as a broad spectrum, nonsystemic fungicide, with other uses as a wood protectant, pesticide, acaricide, and to control mold, mildew, bacteria, algae.

**Function:**

Chlorothalonil reduces fungal intracellular glutathione molecules to alternate forms which cannot participate in essential enzymatic reactions, ultimately leading to cell death, similar to the mechanism of trichloromethyl sulfenyl.




**Uses and Dosage:**

| Crop | Pests | Rate of use | Application |
|---|---|---|---|
| **Tomato** | **Early blight** | **1650-3000 g/ha.** | **Spray** |
| **Cucumber** | **Downy mildew** | **1650-3000 g/ha.** | |
| **Peanut** | **Leaf spot** | **1249.5-1500 g/ha.** | |

**Benifits:**

• In the US, chlorothalonil is used predominantly on peanuts (about 34% of usage), potatoes (about 12%), and tomatoes (about 7%), though the EPA recognizes its use on many other crops.

• It is also used on golf courses and lawns (about 10%) and as a preservative additive in some paints (about 13%), resins, emulsions, and coatings.

**Note:**

• Long-term exposure to chlorothalonil resulted in kidney damage and tumors in animal tests.

• Chlorothalonil is highly toxic to fish and aquatic invertebrates.

• Common chlorothalonil synthesis procedures frequently result in contamination of it with small amounts of hexachlorobenzene (HCB), which is toxic.

**JIANGSU INTER-CHINA GROUP CORPORATION**
*5/F INTER-CHINA BUILDING NO.116, DINGMAOQIAO ROAD, ZHENJIANG, JIANGSU, CHINA*
*TEL. NO.: 86-511-84416352; FAX NO.: 86-511-84441036*