# 2-methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl [1R-[1α[S*(Z)],3β]]-chrysanthemate

## IDENTIFICATION NUMBERS

- **CAS:** 121-21-1
- **EC/EINECS:** 204-455-8

## MORE INFORMATION

- **Molecular Formula:** C21H28O3
- **Synonyms:** piretrina I, 2,2-dimetil-3-(2-metil-1-propenil)-2-metil-4-oxo-3-(2,4-pentadienil)-2-ciclopenten-1-il [1r-[1.alfa.[s*(z)], 3.beta.]]-ciclopropano-carboxilato, [1r-[1alfa[s(z)],3beta]]-crisantemato de 2-metil-4-oxo-3-(penta-2,4-dienil)ciclopent-2-enilo, piretrina 1, Extracto (B), piretrina 1

## USES

pesticide

⚠ **Black list — Substances particularly hazardous to the environment or health**

## CLASSIFICATION AND LABELLING (Regulation 1272/2008)

### Symbols



**GHS07**

Acute toxicity (oral, dermal, inhalation



**GHS09**

Hazardous to the aquatic environment

**Signal word:** **Warning**

### H Phrases

**H332** : Harmful if inhaled

Acute Tox. (Cat. 4 *) : Acute toxicity

**H312** : Harmful in contact with skin

Acute Tox. (Cat. 4 *) : Acute toxicity

**H302** : Harmful if swallowed

Acute Tox. (Cat. 4 *) : Acute toxicity

**H400** : Very toxic to aquatic life

Aquatic Acute (Cat. 1) : Hazardous to the aquatic environment

**H410** : Very toxic to aquatic life with long lasting effects

Aquatic Chronic (Cat. 1) : Hazardous to the aquatic environment

## Specific health risks

### Endocrine disruptors

Substances with endocrine disrupting activity

**DISRUPTOR LEVEL**

UE2

### Neurotoxic substances

Substances with neurotoxic effects

**NEUROTOXIC EFFECT**

SNC

**LEVEL**

4

**SOURCE**

14

### Occupational Exposure Limits (OEL)

Daily exposure limit values (VLA-ED) published by the Spanish National Institute of Safety and Health at Work (INSST). They represent the average concentration of a chemical agent in the worker's breathing zone, measured or calculated in a time-weighted manner for an 8-hour daily working period. (https://www.insst.es/valores-limites-de-exposicion)

**OCCUPATIONAL EXPOSURE LIMITS**

| State / Form | TWA (ppm) | TWA (mg/m³) | STEL (ppm) | STEL (mg/m³) | Notes |
|---|---|---|---|---|---|
| — | — | 5 | — | — | véase Apartado 8 |

## Restriction/prohibition regulations

### REACH sensitisers

Substances identified as respiratory or skin sensitisers under the REACH Regulation. Includes substances that, without necessarily having a CLP classification, have been assessed by ECHA as potentially allergenic in occupational exposure contexts.

### Major accident hazards (Seveso)

Hazardous substances listed in Annex I of the Seveso III Directive (Directive 2012/18/EU), transposed in Spain by Royal Decree 840/2015. Their presence in industrial establishments in quantities equal to or above established thresholds triggers obligations to implement major accident risk control measures.

### Authorized Pesticide

Active substances approved for use in plant protection products (agricultural pesticides) in the European Union under Regulation (EC) No 1107/2009. Includes herbicides, fungicides, insecticides, acaricides and other crop protection agents with current European-level approval.

**SOURCE**

Real Decreto 2163/1994