# dioxathion

## IDENTIFICATION NUMBERS

- **CAS:** 78-34-2
- **EC/EINECS:** 201-107-7
- **International Chemical Safety Card (ICSC):** 0883

## MORE INFORMATION

- **Molecular Formula:** C12H26O6P2S4
- **Synonyms:** DI(DITIOFOSFATO) DE 1,4-DIOXANO-2,3-DIILO Y DE O,O,O',O'-TETRAETILO, DIOXATION (ISO)(DCI)

## USES

pesticide

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

## CLASSIFICATION AND LABELLING (Regulation 1272/2008)

### Symbols



**GHS06**

Acute toxicity (oral, dermal, inhalation)



**GHS09**

Hazardous to the aquatic environment

**Signal word: Danger**

### H Phrases

**H330** : Fatal if inhaled

Acute Tox. (Cat. 2 *) : Acute toxicity

**H300** : Fatal if swallowed

Acute Tox. (Cat. 2 *) : Acute toxicity

**H311** : Toxic in contact with skin

Acute Tox. (Cat. 3 *) : 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

### Labelling

| Concentration | Labelling |
|---|---|
| C >= 0,025 % | N; R50-53 |
| 0,0025 % <= C < 0,025 % | N; R51-53 |
| 0,00025 % <= C < 0,0025 % | R52-53 |
| | M = 1000 |

## Specific health risks

### Neurotoxic substances

Substances with neurotoxic effects

| NEUROTOXIC EFFECT | LEVEL |
|---|---|
| COLINÉRGICO | 2 |

**SOURCE**

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### 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 |
|---|---|---|---|---|---|
| — | — | 0.1 | — | — | vía dérmica, VLBa, FIV |

## Restriction/prohibition regulations

### 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.