# Phosphorus

### IDENTIFICATION NUMBERS

- **CAS:** 12185-10-3
- **EC/EINECS:** 231-768-7
- **International Chemical Safety Card (ICSC):** 0628

### MORE INFORMATION

- **Molecular Formula:** P4
- **Synonyms:** FOSFORO

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

## CLASSIFICATION AND LABELLING (Regulation 1272/2008)

### Symbols



**GHS02**
Flammable gases



**GHS05**
Corrosive to metals



**GHS06**
Acute toxicity (oral, dermal, inhalation)



**GHS09**
Hazardous to the aquatic environment

**Signal word:** **Danger**

### H Phrases

**H250** : Catches fire spontaneously if exposed to air

Pyr. Sol. (Cat. 1) : Pyrophoric solid

**H330** : Fatal if inhaled

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

**H300** : Fatal if swallowed

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

**H314** : Causes severe skin burns and eye damage

Skin Corr. (Cat. 1A) : Skin corrosion/irritation

**H400** : Very toxic to aquatic life

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

## Specific health risks

### 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 |
|---|---|---|---|---|---|
| — | 0.02 | 0.1 | — | — | — |

## 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.