phosphine

IDENTIFICATION NUMBERS

- **CAS:** 7803-51-2
- **EC/EINECS:** 232-260-8
- **International Chemical Safety Card (ICSC):** 0694

MORE INFORMATION

- **Molecular Formula:** H3P
- **Synonyms:** HIDRURO DE FOSFORO, Trihidruro de fosforo

USES

pesticide

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

CLASSIFICATION AND LABELLING (Regulation 1272/2008)

Symbols



GHS02
Flammable gases



GHS04
Gases under pressure



GHS05
Corrosive to metals



GHS06
Acute toxicity (oral, dermal, inhalation)



GHS09
Hazardous to the aquatic environment

Signal word: **Danger**

H Phrases

H330 : Fatal if inhaled

Press. Gas : Gases under pressure

H314 : Causes severe skin burns and eye damage

Acute Tox. (Cat. 1) : Acute toxicity

H400 : Very toxic to aquatic life

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

H220 : Extremely flammable gas

Flam. Gas (Cat. 1) : Flammable gas

Nota U.

Labelling

Concentration	Labelling
ATE= 10 ppmV (gases)	Inhalation

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
—	0.1	0.14	0.2	0.28	VLI

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.

Substances under PACT evaluation

Substances under active regulatory monitoring through ECHA's PACT (Public Activities Coordination Tool). Allows tracking which regulatory authorities are examining a substance and what potential regulatory actions are being considered (restriction, SVHC identification, harmonised classification, etc.).