tin tetrachloride

IDENTIFICATION NUMBERS

- **CAS:** 7646-78-8
- **EC/EINECS:** 231-588-9
- **International Chemical Safety Card (ICSC):** 0953

MORE INFORMATION

- **Molecular Formula:** Cl4Sn
- **Synonyms:** TETRACLORURO DE ESTAÑO, CLORURO ESTANNICO

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

CLASSIFICATION AND LABELLING (Regulation 1272/2008)

Symbols



GHS05

Corrosive to metals

Signal word: **Danger**

H Phrases

H314 : Causes severe skin burns and eye damage

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

H412 : Harmful to aquatic life with long lasting effects

Aquatic Chronic (Cat. 3) : Hazardous to the aquatic environment

Labelling

Concentration	Labelling
C >= 10 %	C; R34
5 % <= C < 10 %	Xi; R36/37/38
C >= 5 %	STOT única, 3; H335

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
—	—	2	—	—	—

Environmental regulations

LPCIC (EPER)

Priority substances and specific pollutants within the EU water policy framework, established by the Water Framework Directive (2000/60/EC) and the Priority Substances Directive (2008/105/EC and amendments). Substances posing significant risk to European surface waters and subject to Environmental Quality Standards (EQS).

EPER WATER

EPER AIR

1

EPER Air

Substances from List 2 of Annex III of the IPPC Directive (integrated into the Industrial Emissions Directive 2010/75/EU). Pollutants that may affect surface and groundwater bodies and must be considered in the integrated environmental authorisation of industrial installations.

Restriction/prohibition regulations

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.).