# hydrogen chloride

### IDENTIFICATION NUMBERS

- **CAS:** 7647-01-0
- **EC/EINECS:** 231-595-7
- **International Chemical Safety Card (ICSC):** 0163

### MORE INFORMATION

- **Molecular Formula:** ClH
- **Synonyms:** ácido clorhídrico, acido hidroclorico

### USES

disinfectant, stripper, cleaner, additive, fungicide, rinsing agent, herbicide, buffer, fumigant, nematicide

## CLASSIFICATION AND LABELLING (Regulation 1272/2008)

### Symbols



**GHS04**

Gases under pressure



**GHS05**

Corrosive to metals



**GHS06**

Acute toxicity (oral, dermal, inhalation)

### Signal word: Danger

### H Phrases

**H331** : Toxic if inhaled

Acute Tox. (Cat. 3 *) : Acute toxicity

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

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

### H???

Gas a pres.,

*Nota U.Nota 5.*

### Notes

- R.1272-Note U
- R.1272-Note 5

## Specific health risks

### According to IARC

Substances classified as carcinogens or mutagens Category 2 under the CLP Regulation (GHS), bearing H351 and/or H341 phrases. These are substances suspected of causing cancer or heritable genetic mutations in humans.

**IARC GROUP**

Grupo 3

**IARC VOLUME**

(VOL. 54; 1992)

### 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 | 7.6 | 10 | 15 | VLI |

## Specific environmental risks

### Atmospheric emissions

Substances subject to atmospheric emission limitations under the Industrial Emissions Directive (2010/75/EU) and its Spanish transposition. Includes pollutants regulated in industrial installation emission permits and best available technique reference documents (BAT/BREF).

## 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**

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### 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.).

### 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.