# acetic acid

## IDENTIFICATION NUMBERS

- **CAS:** 64-19-7
- **EC/EINECS:** 200-580-7
- **International Chemical Safety Card (ICSC):** 0363

## MORE INFORMATION

- **Molecular Formula:** C2H4O2
- **Synonyms:** acido glacial acetico, vinagre

## USES

degreaser, disinfectant, solvent, cleaner, additive, acidulant, preservative, fungicide, herbicide, buffer, scent, descaling agent, microbiocidal

## CLASSIFICATION AND LABELLING (Regulation 1272/2008)

### Symbols



**GHS02**

Flammable gases



**GHS05**

Corrosive to metals

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

### H Phrases

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

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

**H226** : Flammable liquid and vapour

Flam. Liq. (Cat. 3) : Flammable liquid

*Nota B.*

### Notes

- R.1272-Note B

### Labelling

| Concentration | Labelling |
|---|---|
| C >= 90 % | C; R35 |
| 25 % <= C < 90 % | C; R34 |
| 10 % <= C < 25 % | Xi; R36/38 |
| C >= 90 % | Corr. cut., 1A; H314 |
| 25 % <= C < 90 % | Corr. cut., 1B; H314 |
| 10 % <= C < 25 % | Irrit. cut., 2; H315 |
| 10 % <= C < 25 % | Irrit. oc., 2; H319 |

## 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 |
|---|---|---|---|---|---|
| — | 10 | 25 | 15 | 37 | véase Apartado 8 |

## 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).

### Volatile organic compounds

Volatile Organic Compounds (VOCs) regulated by Directive 1999/13/EC on the limitation of VOC emissions from certain activities, and by Royal Decrees 117/2003 and 227/2006. Substances contributing to tropospheric ozone formation that are subject to emission limits in industrial activities.

## 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.).

### Authorized Pesticide

Active substances approved for use in plant protection products (agricultural pesticides) in the European Union under Regulation (EC) No 1107/2009. Includes herbicides, fungicides, insecticides, acaricides and other crop protection agents with current European-level approval.

| SOURCE |
| --- |
| Real Decreto 2163/1994 |

### 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.