# methylcyclohexane

## IDENTIFICATION NUMBERS

- **CAS:** 108-87-2
- **EC/EINECS:** 203-624-3
- **International Chemical Safety Card (ICSC):** 0923

## MORE INFORMATION

- **Molecular Formula:** C7H14

## USES

solvent

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

## CLASSIFICATION AND LABELLING (Regulation 1272/2008)

### Symbols



**GHS02**
Flammable gases



**GHS07**
Acute toxicity (oral, dermal, inhalation



**GHS08**
Respiratory sensitisation



**GHS09**
Hazardous to the aquatic environment

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

### H Phrases

**H225** : Highly flammable liquid and vapour

Flam. Liq. (Cat. 2) : Flammable liquid

**H304** : May be fatal if swallowed and enters airways

Asp. Tox. (Cat. 1) : Aspiration hazard

**H315** : Causes skin irritation

Skin Irrit. (Cat. 2) : Skin corrosion/irritation

**H336** : May cause drowsiness or dizziness

STOT SE (Cat. 3) : Specific target organ toxicity - single exposure

**H411** : Toxic to aquatic life with long lasting effects

Aquatic Chronic (Cat. 2) : 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 |
|---|---|---|---|---|---|
| — | 400 | 1630 | — | — | — |

## Specific environmental risks

### Hazardous water substances (Germany)

Substances classified with chronic aquatic toxicity under the CLP Regulation (H410–H413 phrases, Aquatic Chronic categories 1 to 4). They pose a long-term hazard to aquatic organisms, even at low concentrations and through prolonged exposure.

**MMA CLASSIFICATION**

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### 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 CoRAP evaluation

Substances included in the Community Rolling Action Plan (CoRAP) of the REACH Regulation. These are substances selected for evaluation by EU Member States due to indications of risk to human health or the environment, with the aim of clarifying whether regulatory action is warranted.

| YEAR | MEMBER STATE |
|---|---|
| 2013 | Finland |

**INITIAL GROUNDS FOR CONCERN**

Environment/Suspected PBT; Lack of experimental data; Exposure/Wide dispersive use; Consumer use; Aggregated tonnage

### 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.).

| MEMBER STATE | ACTIVITY |
|---|---|
| Finland | Hazard assessment |
| **LAST UPDATE** | **SCOPE** |
| 2019-01-22T00:00:00 | PBT |