methane

IDENTIFICATION NUMBERS

- **CAS:** 74-82-8
- **EC/EINECS:** 200-812-7
- **International Chemical Safety Card (ICSC):** 0291

MORE INFORMATION

- **Molecular Formula:** CH4
- **Synonyms:** GAS NATURAL

USES

fuel

CLASSIFICATION AND LABELLING (Regulation 1272/2008)

Symbols



GHS02

Flammable gases



GHS04

Gases under pressure

Signal word: **Danger**

H Phrases

H220 : Extremely flammable gas

Flam. Gas (Cat. 1) : Flammable gas

H???

Gas a pres.,

Notes

- R.1272-Note U

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.

Specific environmental risks

Climate change

Substances with the potential to contribute to climate change through direct or indirect greenhouse effects. Includes fluorinated greenhouse gases regulated by Regulation (EU) No 517/2014 and other substances with high global warming potential (GWP).

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
	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

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.