piperidine

IDENTIFICATION NUMBERS

- **CAS:** 110-89-4
- **EC/EINECS:** 203-813-0
- **International Chemical Safety Card (ICSC):** 0317

MORE INFORMATION

- **Molecular Formula:** C5H11N
- **Synonyms:** HEXAHIDROPIRIDINA, PENTAMETILENIMINA

CLASSIFICATION AND LABELLING (Regulation 1272/2008)

Symbols



GHS02

Flammable gases



GHS05

Corrosive to metals



GHS06

Acute toxicity (oral, dermal, inhalation)

Signal word: **Danger**

H Phrases

H225 : Highly flammable liquid and vapour

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

H331 : Toxic if inhaled

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

H311 : Toxic in contact with skin

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

H314 : Causes severe skin burns and eye damage

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

Labelling

Concentration	Labelling
C >= 5 %	T; R23/24
1 % <= C < 5 %	Xn; R20/21
C >= 5 %	C; R34
1 % <= C < 5 %	Xi; R36/38
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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).

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.