(S)-sec-butylamine

IDENTIFICATION NUMBERS

- **CAS:** 513-49-5
- **EC/EINECS:** 208-164-7

MORE INFORMATION

- **Molecular Formula:** C4H11N

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

CLASSIFICATION AND LABELLING (Regulation 1272/2008)

Symbols



GHS02

Flammable gases



GHS05

Corrosive to metals



GHS07

Acute toxicity (oral, dermal, inhalation



GHS09

Hazardous to the aquatic environment

Signal word: **Danger**

H Phrases

H332 : Harmful if inhaled

Acute Tox. (Cat. 4 *) : Acute toxicity

H302 : Harmful if swallowed

Acute Tox. (Cat. 4 *) : Acute toxicity

H314 : Causes severe skin burns and eye damage

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

H400 : Very toxic to aquatic life

Aquatic Acute (Cat. 1) : Hazardous to the aquatic environment

H225 : Highly flammable liquid and vapour

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

Nota C.

Notes

- R.1272-Note C

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
—	—	—	5	15	vía dérmica

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.