2,5-xylidine

IDENTIFICATION NUMBERS

- **CAS:** 95-78-3
- **EC/EINECS:** 202-451-0

MORE INFORMATION

- **Molecular Formula:** C8H11N
- **Synonyms:** 2,5-dimetil-bencenamina, 2,5-xilideno, 1-amino-2,5-dimetilbenceno, 2,5-dimetilanilina, 2,5-dimetilbencenamina, 2,5-dimetilfenilamina, 2-amino-1,4-xileno, 3-amino-1,4-dimetilbenceno, 5-amino-1,4-dimetilbenceno, 5-metil-o-toluidina, 6-metil-m-toluidina, anilina, 2,5-dimetil-, benceno, 2-amino-1,4-dimetil-, p-dimetilanilina, p-xilidina, para-xilidina

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

CLASSIFICATION AND LABELLING (Regulation 1272/2008)

Symbols



GHS06

Acute toxicity (oral, dermal, inhalation)



GHS08

Respiratory sensitisation



GHS09

Hazardous to the aquatic environment

Signal word: Danger

H Phrases

H331 : Toxic if inhaled

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

H311 : Toxic in contact with skin

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

H301 : Toxic if swallowed

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

H411 : Toxic to aquatic life with long lasting effects

Aquatic Chronic (Cat. 2) : Hazardous to the aquatic environment

H373 : May cause damage to organs through prolonged or repeated exposure

STOT RE (Cat. 2 *) : Specific target organ toxicity - repeated exposure

Notes

- R.1272-Note C

Specific health risks

According to IARC

Substances classified as carcinogens or mutagens Category 2 under the CLP Regulation (GHS), bearing H351 and/or H341 phrases. These are substances suspected of causing cancer or heritable genetic mutations in humans.

IARC GROUP	IARC VOLUME
Grupo 3	(VOL. 16, SUPL. 7; 1987)

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)

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.).