1-naphthyl methylcarbamate, carbaryl (ISO)@carbaryl@Carbaryl (ISO)@1-naphthyl methylcarbamate

IDENTIFICATION NUMBERS

- **CAS:** 63-25-2
- **EC/EINECS:** 200-555-0
- **International Chemical Safety Card (ICSC):** 0121

MORE INFORMATION

- **Molecular Formula:** C12H11NO2
- **Synonyms:** Carbarilo [ISO], Metilcarbamato de 1-naftilo, carbarilo (DCI)

USES

pesticide

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

CLASSIFICATION AND LABELLING (Regulation 1272/2008)

Symbols



GHS07

Acute toxicity (oral, dermal, inhalation



GHS08

Respiratory sensitisation



GHS09

Hazardous to the aquatic environment

Signal word: **Warning**

H Phrases

H332 : Harmful if inhaled

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

H351 : Suspected of causing cancer

Carc. (Cat. 2) : Carcinogenicity

H302 : Harmful if swallowed

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

H400 : Very toxic to aquatic life

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

Labelling

Concentration	Labelling
C >= 0,25 %	N; R50
	M=100

Specific health risks

Carcinogens (other sources)

Substances classified as carcinogens or mutagens Category 3 under the Dangerous Preparations Directive criteria (pre-CLP). Substances with limited evidence or indications of carcinogenicity or mutagenicity.

CATEGORY
CP

SOURCE
CP65

Endocrine disruptors

Substances with endocrine disrupting activity

DISRUPTOR LEVEL
NS, UE2, OSF

Neurotoxic substances

Substances with neurotoxic effects

NEUROTOXIC EFFECT
COLINÉRGICO/SNP

LEVEL
2

SOURCE
14

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
Grupo 3

IARC VOLUME
(VOL. 12, 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)

OCCUPATIONAL EXPOSURE LIMITS

State / Form	TWA (ppm)	TWA (mg/m³)	STEL (ppm)	STEL (mg/m³)	Notes
—	—	5	—	—	vía dérmica

Carcinogens and mutagens (Regulation 1272/2008)

Substances classified as carcinogenic or mutagenic under Regulation 1272/2008

Specific environmental risks

Persistent organic pollutants

Substances identified as persistent organic pollutants

POP

A; C

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.