carbon disulphide

IDENTIFICATION NUMBERS

- **CAS:** 75-15-0
- **EC/EINECS:** 200-843-6
- **International Chemical Safety Card (ICSC):** 0022

MORE INFORMATION

- **Molecular Formula:** CS2
- **Synonyms:** BISULFURO DE CARBONO, SULFURO DE CARBONO

USES

solvent, cutting fluid, fumigant, nematicide

CLASSIFICATION AND LABELLING (Regulation 1272/2008)

Symbols



GHS02

Flammable gases



GHS07

Acute toxicity (oral, dermal, inhalation



GHS08

Respiratory sensitisation

Signal word: **Danger**

H Phrases

H225 : Highly flammable liquid and vapour

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

H361fd : Suspected of damaging fertility. Suspected of damaging the unborn child.

Repr. (Cat. 2) : Reproductive toxicity

H372 : Causes damage to organs through prolonged or repeated exposure

STOT RE (Cat. 1) : Specific target organ toxicity - repeated exposure

H319 : Causes serious eye irritation

Eye Irrit. (Cat. 2) : Serious eye damage/eye irritation

H315 : Causes skin irritation

Skin Irrit. (Cat. 2) : Skin corrosion/irritation

Labelling

Concentration	Labelling
C >= 1 %	Repr. Cat. 3; R62-63
C >= 1 %	T; R48/23
0,2 % <= C < 1 %	Xn; R48/20
C >= 1 %	Repr., 2; H361fd
C >= 1 %	STOT repe., 1; H372
0,2 % <=C < 1 %	STOT repe., 2; H373

Specific health risks

Endocrine disruptors

Substances with endocrine disrupting activity

DISRUPTOR LEVEL

NS, UE1

Neurotoxic substances

Substances with neurotoxic effects

NEUROTOXIC EFFECT	LEVEL
SNP	4

SOURCE

14

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)

OEL DATA

VLA-ED5ppm15 mg/m³

Biological Exposure Indices (BEI)

Biological limit values (VLB) published by the Spanish National Institute of Safety and Health at Work (INSST). Reference values for assessing the risk of chemical agents by measuring them or their metabolites in biological matrices (blood, urine, exhaled air) of exposed workers.

BEI DATA

IB: Ácido 2-Tiotiazolidín-4-carboxílico-(TTCA) en orina1,5

mg/g creatinina

Reproductive toxicants

Substances classified as toxic for reproduction under Regulation 1272/2008

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

Substances under CoRAP evaluation

Substances included in the Community Rolling Action Plan (CoRAP) of the REACH Regulation. These are substances selected for evaluation by EU Member States due to indications of risk to human health or the environment, with the aim of clarifying whether regulatory action is warranted.

YEAR	MEMBER STATE
2013	France

INITIAL GROUNDS FOR CONCERN

Human health/CMR; Suspected endocrine disruptor; Exposure/occupational exposure and environment, Aggregated tonnage

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.

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.).