# nitromethane

### IDENTIFICATION NUMBERS

- **CAS:** 75-52-5
- **EC/EINECS:** 200-876-6
- **International Chemical Safety Card (ICSC):** 0522

### MORE INFORMATION

- **Molecular Formula:** CH3NO2

### USES

solvent

## CLASSIFICATION AND LABELLING (Regulation 1272/2008)

### Symbols



**GHS02**

Flammable gases



**GHS07**

Acute toxicity (oral, dermal, inhalation

### Signal word: Warning

### H Phrases

**H226** : Flammable liquid and vapour

Flam. Liq. (Cat. 3) : Flammable liquid

**H302** : Harmful if swallowed

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

### Labelling

| Concentration | Labelling |
|---|---|
| C >= 12,5 % | Xn; R22 |
| | * |

## Specific health risks

### Breast cancer

Substances classified with H362 phrase (may cause harm to breast-fed children). Toxic for reproduction due to effects on lactation or due to transmissibility through breast milk.

**SOURCE**

http://sciencereview.silentspring.org/mamm_detail.cfm?cid=75-52-5

### 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**

G-A3, N-2, CP

**SOURCE**

ACGIH, NTP, CP65

### Neurotoxic substances

Substances with neurotoxic effects

**NEUROTOXIC EFFECT**

NEUROPATÍA

**LEVEL**

4

**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 2B

**IARC VOLUME**

(VOL. 77; 2000)

### 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 |
|---|---|---|---|---|---|
| — | 20 | 51 | — | — | — |

## Specific environmental risks

### Persistent bioaccumulative and toxic

Substances identified as Persistent, Bioaccumulative and Toxic (PBT) according to the criteria of Annex XIII of the REACH Regulation. They pose a special risk of accumulation in the environment and in the food chain.

| SOURCES | LINK |
| --- | --- |
| OSPAR | http://www.ospar.org/v_substances/get_page.asp?v1=75525.xls |

## 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.

### 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.).