

# SAFETY DATA SHEET (SDS)

in accordance with Regulation (EC) No 1907/2006 (REACH), Annex II — Regulation (EU) 2020/878

Date: 25.08.2026 | Version: 1 | EN

## methanol

methanol

**CAS 67-56-1**

CH<sub>4</sub>O

EC 200-659-6



MOLAR MASS

**32.04**

LOGP

**-0.77**

### HAZARD CLASSIFICATION (GHS / CLP)



**Danger**

**H225** **H331** **H311** **H301** **H370**

Hazard class scope limited to the harmonised classification (CLP Annex VI); classes outside the harmonised entry may require supplier self-classification (CLP Art. 4(3)) — verify with the supplier safety data sheet.

## 1. Identification of the substance/mixture and of the company/undertaking

|                       |                                  |
|-----------------------|----------------------------------|
| 1.1 Substance name    | methanol                         |
| 1.1 IUPAC name        | methanol                         |
| 1.1 CAS number        | 67-56-1                          |
| 1.1 EC number         | 200-659-6                        |
| 1.1 PubChem CID       | 887                              |
| 1.1 InChIKey          | OKKJLVBELUTLKV-UHFFFAOYSA-N      |
| 1.1 SMILES            | CO                               |
| 1.1 Molecular formula | CH <sub>4</sub> O <sup>[7]</sup> |
| 1.1 Molar mass        | 32.042 g/mol <sup>[7]</sup>      |
| 1.1 Exact mass        | 32.0262 Da <sup>[7]</sup>        |

### 1.2 Uses

For laboratory and research purposes. Not for use in the production of food, medicines or cosmetics without appropriate authorisation.

### 1.3 Details of the supplier

|         |                                                       |
|---------|-------------------------------------------------------|
| Name    | Nonsensia Ltd                                         |
| Address | 124-128 City Road, EC1V 2NX London                    |
| E-mail  | pure@molgod.org                                       |
| Website | <a href="https://molgod.org/">https://molgod.org/</a> |

## 1.4 Emergency telephone number

### Emergency telephone

+48 42 631 47 24

Toxicological Information Centre (CIT), Łódź — available 24/7

## 2. Hazards identification



**Danger**

### Hazard statements (H) [3][4][12]

|             |                                    |
|-------------|------------------------------------|
| <b>H225</b> | Highly flammable liquid and vapour |
| <b>H331</b> | Toxic if inhaled                   |
| <b>H311</b> | Toxic in contact with skin         |
| <b>H301</b> | Toxic if swallowed                 |
| <b>H370</b> | Causes damage to organs            |

### Precautionary statements (P) [3][4][12]

|                       |                                                                                                       |
|-----------------------|-------------------------------------------------------------------------------------------------------|
| <b>P210</b>           | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking         |
| <b>P233</b>           | Keep container tightly closed                                                                         |
| <b>P240</b>           | Ground and bond container and receiving equipment                                                     |
| <b>P260</b>           | Do not breathe dust/fume/gas/mist/vapours/spray                                                       |
| <b>P264</b>           | Wash thoroughly after handling                                                                        |
| <b>P270</b>           | Do not eat, drink or smoke when using this product                                                    |
| <b>P271</b>           | Use only outdoors or in a well-ventilated area                                                        |
| <b>P280</b>           | Wear protective gloves/protective clothing/eye protection/face protection                             |
| <b>P301+P310</b>      | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician                                    |
| <b>P302+P352</b>      | IF ON SKIN: Wash with plenty of water                                                                 |
| <b>P303+P361+P353</b> | IF ON SKIN (or hair): Take off immediately all contaminated clothing; Rinse skin with water or shower |
| <b>P304+P340</b>      | IF INHALED: Remove person to fresh air and keep comfortable for breathing                             |
| <b>P308+P311</b>      | IF exposed or concerned: Call a POISON CENTER or doctor/physician                                     |
| <b>P311</b>           | Call a POISON CENTER or doctor/physician                                                              |
| <b>P312</b>           | Call a POISON CENTER or doctor/physician if you feel unwell                                           |
| <b>P321</b>           | Specific treatment                                                                                    |
| <b>P330</b>           | Rinse mouth                                                                                           |
| <b>P370+P378</b>      | In case of fire: Use appropriate media to extinguish                                                  |
| <b>P403+P235</b>      | Store in a well-ventilated place: Keep cool                                                           |

**P403+P233**

Store in a well-ventilated place: Keep container tightly closed

**P405**

Store locked up

**P501**

Dispose of contents/container to an approved waste collection point

**Hazard class scope limited to the harmonised classification (CLP Annex VI); classes outside the harmonised entry may require supplier self-classification (CLP Art. 4(3)) — verify with the supplier safety data sheet.**

### 3. Composition/information on ingredients

|                                                                     |                                                                                       |
|---------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Substance type                                                      | pure substance                                                                        |
| CAS Number                                                          | 67-56-1                                                                               |
| EC number                                                           | 200-659-6                                                                             |
| Molecular formula                                                   | CH <sub>4</sub> O                                                                     |
| Concentration                                                       | ≥99% (typical reagent-grade purity — to be confirmed by the supplier's specification) |
| Clp index no                                                        | 603-001-00-X                                                                          |
| Specyficzne stężenia graniczne / M-współczynnik (CLP Zał. VI Tab.3) | SCL: H370: C≥10 %; H371: 3 % ≤ C<10 % <sup>[3]</sup>                                  |

### 4. First aid measures



#### Inhalation

Move the affected person to fresh air. Keep at rest. Call a physician. Semi-sitting position. Give oxygen if available. If not breathing: artificial respiration (qualified personnel only). <sup>[1][2][17]</sup>

#### Skin contact

Remove contaminated clothing. Rinse skin with soap and water (min. 15 minutes). Call a physician immediately. <sup>[1][2][17]</sup>

#### Eye contact

Rinse eyes with running water (min. 15 minutes). Remove contact lenses if possible. If irritation persists — consult an ophthalmologist. <sup>[1][2][17]</sup>

#### Ingestion

Do NOT induce vomiting (unless directed by a physician). Rinse mouth with water. Never give anything by mouth to an unconscious person. Poison Centre Łódź: +48 42 631 47 24 (24/7). Emergency number: 112. <sup>[1][2][17]</sup>

#### Symptoms and effects

nausea, vomiting, diarrhoea; cough, shortness of breath, headache, dizziness. <sup>[3][12]</sup>

#### Notes for physician

Requires verification

**Emergency numbers: CIT Łódź: +48 42 631 47 24 (24/7) | Emergency: 112**

## 5. Firefighting measures

|                                       |                                                                                                                              |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>   | Alcohol-resistant foam, carbon dioxide (CO <sub>2</sub> ), dry chemical powder, water spray/mist. <a href="#">[1][2][17]</a> |
| <b>Unsuitable extinguishing media</b> | Full/compact water jet (splashes and spreads the burning liquid, which floats on water). <a href="#">[1][2][17]</a>          |
| <b>Specific hazards</b>               | Thermal decomposition products:CO, CO <sub>2</sub> . <a href="#">[18]</a>                                                    |
| <b>Advice for firefighters</b>        | Use self-contained breathing apparatus (SCBA). Full protective suit. <a href="#">[1][2][17]</a>                              |
| <b>Flash Point</b>                    | 9°C <a href="#">[7]</a>                                                                                                      |
| <b>Auto-ignition temperature</b>      | 463.9°C <a href="#">[7]</a>                                                                                                  |

## 6. Accidental release measures

|                                                |                                                                                                                                                                                                                                                         |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions</b>                    | Use personal protective equipment (see Section 8). Avoid breathing vapours. <a href="#">[1][2][17]</a>                                                                                                                                                  |
| <b>Environmental precautions</b>               | Prevent entry into sewers, groundwater and surface water. <a href="#">[1][2][17]</a>                                                                                                                                                                    |
| <b>Methods for containment and cleaning up</b> | Contain the spill with a barrier. Absorb with inert material (sand, vermiculite, diatomaceous earth). Collect into sealed, labelled containers. Do not release into drains. Remove ignition sources; use non-sparking tools. <a href="#">[1][2][17]</a> |
| <b>Related sections</b>                        | 8; 13                                                                                                                                                                                                                                                   |

## 7. Handling and storage

|                               |                                                                                                                               |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>Precautions</b>            | Work in a fume hood or with adequate ventilation. No eating, drinking or smoking in the work area. <a href="#">[1][2][17]</a> |
| <b>Storage temperature</b>    | Store at room temperature (15-25°C) or as indicated on the label. <a href="#">[1][2][17]</a>                                  |
| <b>Humidity</b>               | Store in a dry place (<60% RH). <a href="#">[1][2][17]</a>                                                                    |
| <b>Light</b>                  | Protect from direct sunlight. <a href="#">[1][2][17]</a>                                                                      |
| <b>Incompatible materials</b> | Strong oxidizers, Ignition sources, open flames. <a href="#">[18]</a>                                                         |

## 8. Exposure controls/personal protection

### 8.1 Control parameters

|                           |                                                                                                                                             |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OEL — NDS (Poland)</b> | NDS = 100 mg/m <sup>3</sup> (TWA) · NDSC <sub>h</sub> = 300 mg/m <sup>3</sup> (STEL) — Rozp. MRiPS Dz.U. 2024 poz.1017 <a href="#">[28]</a> |
| <b>OEL (EU)</b>           | OEL-TWA: 200 ppm (260 mg/m <sup>3</sup> ) — IOELV 2006/15/EC — “skin” notation <a href="#">[13]</a>                                         |
| <b>DNEL</b>               | No data available.                                                                                                                          |
| <b>PNEC</b>               | No data available.                                                                                                                          |

### 8.2 Personal protective equipment (PPE) [\[5\]\[6\]\[19\]](#)



**Chemical-resistant protective gloves**  
EN ISO 374-1:2016+A1:2018  
nitrile (min. 0.11 mm)



**Closed safety spectacles or goggles**  
EN ISO 16321-1:2022 / EN 166:2001



**Respiratory protection**  
EN 14387:2004+A1:2008  
type AX-P3 filter (low-boiling organic vapours + particles)



**Chemical-resistant protective clothing**  
EN 13034:2005+A1:2009 (typ 6) / EN 14126:2003 (bio)



**Closed safety footwear with toe protection**  
EN ISO 20345:2022 (S2/S3)

## 9. Physical and chemical properties

| Property (item 9.1)   | Value  | Source |
|-----------------------|--------|--------|
| <b>Physical state</b> | Liquid |        |

| Property (item 9.1)                               | Value                                   | Source |
|---------------------------------------------------|-----------------------------------------|--------|
| Colour                                            | No data available.                      |        |
| Odour                                             | No data available.                      |        |
| pH (1% aqueous solution)                          | No data available.                      |        |
| Melting point                                     | -97.53°C [8] [7][24][26][27]            |        |
| Boiling point                                     | 64.7°C [8] [7][24][26][27]              |        |
| Flash point                                       | 9°C [7][24]                             |        |
| Flammability                                      | Flam. Liq. 2 (H225) [3][12]             |        |
| Lower and upper explosion limit                   | 6–50 % obj. [24]                        |        |
| Density (20°C)                                    | 0.792 g/cm <sup>3</sup> [7][24][26][27] |        |
| Vapour pressure                                   | 12.266 kPa (92 mmHg, 20°C) [7][24]      |        |
| Relative vapour density                           | 1.11 [23]                               |        |
| Dynamic viscosity                                 | 0.544 mPa·s [7]                         |        |
| Kinematic viscosity                               | No data available.                      |        |
| Refractive index n <sub>D</sub> <sup>20</sup>     | 1.3292 (experimental data) [7]          |        |
| Auto-ignition temperature                         | 463.9°C (experimental data) [7]         |        |
| Decomposition temperature                         | Not applicable                          |        |
| Surface Tension                                   | 22.5 mN/m [9]                           |        |
| Rozpuszcz. w wodzie                               | Miscible with water in all proportions. |        |
| Particle characteristics                          | Not applicable (REACH 9.1(r))           |        |
| Partition coefficient n-octanol/water (log value) | -0.77 [7][25][26][27]                   |        |
| Molar mass                                        | 32.042 g/mol [7]                        |        |
| Molecular formula                                 | CH <sub>4</sub> O [7]                   |        |
| Lipinski rule (RO5)                               | PASS                                    |        |

## 10. Stability and reactivity

|                        |                                                       |
|------------------------|-------------------------------------------------------|
| Reactivity             | Stable under normal storage and handling conditions.  |
| Chemical stability     | Thermally stable under recommended conditions.        |
| Hazardous reactions    | No hazardous reactions known under normal conditions. |
| Conditions to avoid    | High temperatures, direct sunlight, moisture.         |
| Incompatible materials | Strong oxidizers, Ignition sources, open flames.      |
| Decomposition products | Thermal decomposition products:CO, CO <sub>2</sub> .  |

## 11. Toxicological information

|                   |                                |
|-------------------|--------------------------------|
| LD50 (oral)       | 5628 mg/kg (rat) [10][11]      |
| LD50 (dermal)     | No data available.             |
| LC50 (inhalation) | LC50 64000 ppm (4 h) (rat) [7] |

|                                              |                                                                                                                                                             |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Skin irritation</b>                       | Not classified for this hazard (outside the scope of the harmonised classification in CLP Annex VI; verify supplier self-classification) <sup>[3][12]</sup> |
| <b>Eye irritation</b>                        | Not classified for this hazard (outside the scope of the harmonised classification in CLP Annex VI; verify supplier self-classification) <sup>[3][12]</sup> |
| <b>Sensitisation</b>                         | Not classified for this hazard (outside the scope of the harmonised classification in CLP Annex VI; verify supplier self-classification) <sup>[3][12]</sup> |
| <b>Mutagenicity</b>                          | Not classified for this hazard (outside the scope of the harmonised classification in CLP Annex VI; verify supplier self-classification) <sup>[3][12]</sup> |
| <b>Carcinogenicity</b>                       | Not classified for this hazard (outside the scope of the harmonised classification in CLP Annex VI; verify supplier self-classification) <sup>[3][12]</sup> |
| <b>IARC classification (carcinogenicity)</b> | No individual IARC monograph for this CAS — this is not confirmation of the absence of carcinogenicity (cf. CLP/GHS classification in section 2).           |
| <b>Reproductive toxicity</b>                 | Not classified for this hazard (outside the scope of the harmonised classification in CLP Annex VI; verify supplier self-classification) <sup>[3][12]</sup> |
| <b>STOT — single exposure</b>                | Category 1 (H370): Causes damage to organs. <sup>[3][12]</sup>                                                                                              |
| <b>STOT — repeated exposure</b>              | Not classified for this hazard (outside the scope of the harmonised classification in CLP Annex VI; verify supplier self-classification) <sup>[3][12]</sup> |
| <b>Aspiration hazard</b>                     | Not classified for this hazard (outside the scope of the harmonised classification in CLP Annex VI; verify supplier self-classification) <sup>[3][12]</sup> |

## 12. Ecological information

|                                        |                                                                                                                                                                                                |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Aquatic toxicity</b>                | LC <sub>50</sub> (fish): 290 mg/L (Danio rerio, 96 h). EC <sub>50</sub> (Daphnia): 22200 mg/L (Daphnia obtusa, 48 h). EC <sub>50</sub> (algae): 16.9 mg/L (Ulva pertusa, 96 h) <sup>[22]</sup> |
| <b>Persistence / biodegradability</b>  | No data available.                                                                                                                                                                             |
| <b>Bioaccumulative potential</b>       | log Kow = -0.77. Low bioaccumulation potential (log Kow < 4.5 — PBT/vPvB screening criterion per ECHA Guidance R.11). <sup>[20][21]</sup>                                                      |
| <b>Mobility in soil</b>                | No data available.                                                                                                                                                                             |
| <b>PBT/vPvB assessment</b>             | Insufficient data to assess PBT/vPvB.                                                                                                                                                          |
| <b>Endocrine disrupting properties</b> | Zgłoszone efekty endokrynne u organizmów wodnych (dane ekotoksykologiczne, US EPA ECOTOX; nie stanowią regulacyjnej klasyfikacji ED wg 2018/605). [PL] <sup>[22]</sup>                         |

## 13. Disposal considerations

|                         |                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Disposal method</b>  | Hand over for disposal to licensed contractors in accordance with national and local regulations. Do not discharge into sewers.                               |
| <b>Waste code (EWC)</b> | 16 05 06* — Laboratory and analytical chemicals (np. chemical reagents) zawierające substancje niebezpieczne. EWC code verification required. <sup>[16]</sup> |
| <b>Packaging</b>        | Cleaned packaging may be recycled. Contaminated packaging must be treated as hazardous waste.                                                                 |

## 14. Transport information



Class 3 — Flammable liquids



Class 6.1 — Toxic substances

|                               |                                                                 |
|-------------------------------|-----------------------------------------------------------------|
| <b>UN number</b>              | UN 1230 <sup>[15]</sup>                                         |
| <b>Proper shipping name</b>   | METANOL <sup>[15]</sup>                                         |
| <b>Transport hazard class</b> | 3 — Flammable liquids (+ 6.1 subsidiary hazard) <sup>[15]</sup> |
| <b>Packing Group</b>          | II <sup>[15]</sup>                                              |

|                                                        |                                                                                                                                                 |
|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Environmental hazard</b>                            | Not classified as environmentally hazardous for transport (no H400/H410/H411 in CLP Annex VI; no marine pollutant mark required) <sup>[3]</sup> |
| <b>Special precautions</b>                             | Handle as dangerous goods according to the assigned class (ADR/IMDG/IATA); apply the precautions appropriate to that class.                     |
| <b>CN/HS code</b>                                      | CN/HS code: verification required in the Eurostat Combined Nomenclature.                                                                        |
| <b>Notes</b>                                           | Dangerous goods. Toxic if inhaled/swallowed.                                                                                                    |
| <b>Environmentally hazardous (mark: fish and tree)</b> | No                                                                                                                                              |

## 15. Regulatory information

|                         |                                                                                                                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SVHC status</b>      | SVHC status not verified against the available dataset — check the current ECHA Candidate List; do not assume absence. <sup>[1]</sup>                                                                                         |
| <b>REACH Annex XIV</b>  | Not verified against the ECHA Authorisation List — check REACH Annex XIV. <sup>[1]</sup>                                                                                                                                      |
| <b>REACH Annex XVII</b> | Subject to REACH restriction Annex XVII (entry69): Methanol — restriction on placing on the market for the general public in windscreen washer fluids and defrosters at a concentration $\geq$ 0.6% by weight. <sup>[1]</sup> |

## 16. Other information

Legal status of classification: harmonised under CLP Annex VI — Reg. (EC) No 1272/2008 (as at the date of issue). Entries with an entry-into-force date after 25.08.2026 were omitted as future (not yet applicable).

Data aggregated automatically from public reference databases (PubChem, ECHA, NIST and others).

### Scientific citations (10)

Hafiz Ramadhan, Rina Helmina, Yuni Fahrana et al.. FORMULASI GEL EKSTRAK METANOL DAUN BALIK ANGIN (Alphitonia incana (Roxb.) Teijsm. & Binn. Ex Kurz). Farmasains (2024). DOI: 10.22236/farmasains.v11i2.9863

Amanda T. L. Sousa LAT de, Raul de S. Andreza de, Erivania F. Alves EF et al.. Evaluación de la actividad antibacterial de extractos metanol y hexano, el tallo rodadura Melissa Officinalis L.. Revista Ciencias de la Salud (2016). DOI: 10.12804/revsalud14.02.2016.05

Zelita Fitri Ente, Opir Rumape, Suleman Duengo. Ekstrak Metanol Daun Srikaya (Annona squamosa L.) Sebagai Insektisida Nabati Terhadap Mortalitas Hama Ulat Grayak (Spodoptera litura). Jambura Journal of Chemistry (2020). DOI: 10.34312/jambchem.v2i1.2464

EFSA Panel on Contaminants in the Food Chain (CONTAM). Scientific Opinion on Ergot alkaloids in food and feed. EFSA Journal (2012). DOI: 10.2903/j.efsa.2012.2798

Emre Mutlu, Yasemin Balci, Çetin Seçkin. Muğla'da Metanol Zehirlenmesine Bağlı Ölümler: Olgu Serisi. The Bulletin of Legal Medicine (2022). DOI: 10.17986/blm.1570

### Full text of H statements

|             |                                    |
|-------------|------------------------------------|
| <b>H225</b> | Highly flammable liquid and vapour |
| <b>H331</b> | Toxic if inhaled                   |
| <b>H311</b> | Toxic in contact with skin         |
| <b>H301</b> | Toxic if swallowed                 |
| <b>H370</b> | Causes damage to organs            |

### Full text of P statements

|             |                                                                                               |
|-------------|-----------------------------------------------------------------------------------------------|
| <b>P210</b> | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking |
| <b>P233</b> | Keep container tightly closed                                                                 |
| <b>P240</b> | Ground and bond container and receiving equipment                                             |
| <b>P260</b> | Do not breathe dust/fume/gas/mist/vapours/spray                                               |
| <b>P264</b> | Wash thoroughly after handling                                                                |
| <b>P270</b> | Do not eat, drink or smoke when using this product                                            |
| <b>P271</b> | Use only outdoors or in a well-ventilated area                                                |
| <b>P280</b> | Wear protective gloves/protective clothing/eye protection/face protection                     |

|                       |                                                                                                       |
|-----------------------|-------------------------------------------------------------------------------------------------------|
| <b>P301+P310</b>      | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician                                    |
| <b>P302+P352</b>      | IF ON SKIN: Wash with plenty of water                                                                 |
| <b>P303+P361+P353</b> | IF ON SKIN (or hair): Take off immediately all contaminated clothing; Rinse skin with water or shower |
| <b>P304+P340</b>      | IF INHALED: Remove person to fresh air and keep comfortable for breathing                             |
| <b>P308+P311</b>      | IF exposed or concerned: Call a POISON CENTER or doctor/physician                                     |
| <b>P311</b>           | Call a POISON CENTER or doctor/physician                                                              |
| <b>P312</b>           | Call a POISON CENTER or doctor/physician if you feel unwell                                           |
| <b>P321</b>           | Specific treatment                                                                                    |
| <b>P330</b>           | Rinse mouth                                                                                           |
| <b>P370+P378</b>      | In case of fire: Use appropriate media to extinguish                                                  |
| <b>P403+P235</b>      | Store in a well-ventilated place: Keep cool                                                           |
| <b>P403+P233</b>      | Store in a well-ventilated place: Keep container tightly closed                                       |
| <b>P405</b>           | Store locked up                                                                                       |
| <b>P501</b>           | Dispose of contents/container to an approved waste collection point                                   |

## Abbreviations

|              |                                                                                            |
|--------------|--------------------------------------------------------------------------------------------|
| <b>ADR</b>   | European Agreement concerning the International Carriage of Dangerous Goods by Road        |
| <b>ATE</b>   | Acute Toxicity Estimate                                                                    |
| <b>CAS</b>   | Chemical Abstracts Service                                                                 |
| <b>CLP</b>   | Classification, Labelling and Packaging (Reg. (EC) 1272/2008)                              |
| <b>CMR</b>   | Carcinogenic, Mutagenic, toxic to Reproduction                                             |
| <b>DNEL</b>  | Derived No-Effect Level                                                                    |
| <b>EC</b>    | European Community number                                                                  |
| <b>EPI</b>   | Personal protective equipment                                                              |
| <b>GHS</b>   | Globally Harmonized System                                                                 |
| <b>IATA</b>  | International Air Transport Association                                                    |
| <b>IMDG</b>  | International Maritime Dangerous Goods Code                                                |
| <b>SDS</b>   | Safety Data Sheet                                                                          |
| <b>LC50</b>  | Lethal Concentration, 50%                                                                  |
| <b>LD50</b>  | Lethal Dose, 50%                                                                           |
| <b>NDS</b>   | Maximum admissible concentration (workplace, PL)                                           |
| <b>NDSCh</b> | Short-term exposure limit (PL)                                                             |
| <b>OEL</b>   | Occupational Exposure Limit                                                                |
| <b>PBT</b>   | Persistent, Bioaccumulative and Toxic                                                      |
| <b>PNEC</b>  | Predicted No-Effect Concentration                                                          |
| <b>REACH</b> | Registration, Evaluation, Authorisation and Restriction of Chemicals (Reg. (EC) 1907/2006) |
| <b>STOT</b>  | Specific Target Organ Toxicity                                                             |
| <b>SVHC</b>  | Substance of Very High Concern                                                             |
| <b>TPSA</b>  | Topological Polar Surface Area                                                             |
| <b>vPvB</b>  | very Persistent and very Bioaccumulative                                                   |

## Version history

|                        |                                                                    |
|------------------------|--------------------------------------------------------------------|
| <b>v1 (25.08.2026)</b> | Based on ECHA harmonised classification (Annex VI to CLP, ATP 23). |
|------------------------|--------------------------------------------------------------------|

## References

- [1] EP and Council. Reg.(EC) No 1907/2006 (REACH). Art.31, Annex II. OJ EU L 396/2006. URL: <https://eur-lex.europa.eu/eli/reg/2006/1907/oj> Accessed: 2026-08-25.
- [2] European Commission. Reg.(EU) 2020/878 — amending Annex II REACH. OJ EU L 203/2020. From 01.01.2023. URL: <https://eur-lex.europa.eu/eli/reg/2020/878/oj> Accessed: 2026-08-25.
- [3] EP and Council. Reg.(EC) 1272/2008 (CLP) + ATP 23. OJ EU L 353/2008. (2026-07-07) URL: <https://eur-lex.europa.eu/eli/reg/2008/1272/oj> Accessed: 2026-08-25.
- [4] United Nations. GHS Rev.9. ST/SG/AC.10/30/Rev.9. New York and Geneva: United Nations, 2021. URL: <https://unece.org/transport/dangerous-goods/ghs-rev9-2021> Accessed: 2026-08-25.
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## External links

NIST: <https://webbook.nist.gov/cgi/cbook.cgi?ID=67-56-1>  
Wikidata: <https://www.wikidata.org/wiki/Q14982>  
ChEMBL: [https://www.ebi.ac.uk/chembl/compound\\_report\\_card/CHEMBL14688](https://www.ebi.ac.uk/chembl/compound_report_card/CHEMBL14688)

**NFPA 704** (supplementary information — NFPA/USA system; not a required element of an EU safety data sheet under REACH Annex II)



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