

## SAFETY DATA SHEET (SDS)

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

Date: 22.09.2026 | Version: 1 | EN

## chloroform

chloroform

MOLAR MASS

119.37

LOGP

1.97

CAS 67-66-3

CHCl<sub>3</sub>

EC 200-663-8

## HAZARD CLASSIFICATION (GHS / CLP)



Danger

H351 H361d H331 H302 H372 H315 H319

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    | chloroform                       |
| 1.1 IUPAC name        | chloroform                       |
| 1.1 CAS number        | 67-66-3                          |
| 1.1 EC number         | 200-663-8                        |
| 1.1 PubChem CID       | 6212                             |
| 1.1 InChIKey          | HEDRZPFGACZZDS-UHFFFAOYSA-N      |
| 1.1 SMILES            | C(Cl)(Cl)Cl                      |
| 1.1 Molecular formula | CHCl <sub>3</sub> <sup>[7]</sup> |
| 1.1 Molar mass        | 119.37 g/mol <sup>[7]</sup>      |
| 1.1 Exact mass        | 117.9144 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

REFERENCE COPY — NO  
SUPPLIER DETAILS — NOT FOR  
DISTRIBUTION

Supplier details are not included in this reference copy. The supplier placing the substance on the market must complete this section and remains responsible for the sheet under REACH. MolGod.org prepares documentation and is not the supplier of this substance.

## 1.4 Emergency telephone number

Emergency telephone +48 42 631 47 24

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

## 2. Hazards identification

GHS:



PPE:



Prohibitions:



**Danger**

### Hazard statements (H) <sup>[3][4][12]</sup>

|              |                                                                |
|--------------|----------------------------------------------------------------|
| <b>H351</b>  | Suspected of causing cancer                                    |
| <b>H361d</b> | Suspected of damaging the unborn child                         |
| <b>H331</b>  | Toxic if inhaled                                               |
| <b>H302</b>  | Harmful if swallowed                                           |
| <b>H372</b>  | Causes damage to organs through prolonged or repeated exposure |
| <b>H315</b>  | Causes skin irritation                                         |
| <b>H319</b>  | Causes serious eye irritation                                  |

### Precautionary statements (P) <sup>[3][4][12]</sup>

|                       |                                                                                                                                 |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>P201</b>           | Obtain special instructions before use                                                                                          |
| <b>P202</b>           | Do not handle until all safety precautions have been read and understood                                                        |
| <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>P273</b>           | Avoid release to the environment                                                                                                |
| <b>P280</b>           | Wear protective gloves/protective clothing/eye protection/face protection                                                       |
| <b>P301+P312</b>      | IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell                                                       |
| <b>P302+P352</b>      | IF ON SKIN: Wash with plenty of water                                                                                           |
| <b>P304+P340</b>      | IF INHALED: Remove person to fresh air and keep comfortable for breathing                                                       |
| <b>P305+P351+P338</b> | IF IN EYES: Rinse cautiously with water for several minutes; Remove contact lenses, if present and easy to do. Continue rinsing |
| <b>P308+P313</b>      | IF exposed or concerned: Get medical advice/attention                                                                           |
| <b>P311</b>           | Call a POISON CENTER or doctor/physician                                                                                        |
| <b>P314</b>           | Get medical advice/attention if you feel unwell                                                                                 |
| <b>P321</b>           | Specific treatment                                                                                                              |
| <b>P330</b>           | Rinse mouth                                                                                                                     |
| <b>P332+P313</b>      | If skin irritation occurs: Get medical advice/attention                                                                         |
| <b>P337+P313</b>      | If eye irritation persists: Get medical advice/attention                                                                        |
| <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                                                             |

**NOTE: CMR substance — employment of pregnant and breastfeeding women in work harmful to health is prohibited (Polish Labour Code Art. 176 § 1; Council of Ministers Regulation of 3 April 2017, Journal of Laws 2017 item 796).** <sup>[18][19]</sup>

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        | 67-66-3                                                                               |
| EC number         | 200-663-8                                                                             |
| Molecular formula | $\text{CHCl}_3$                                                                       |
| Concentration     | ≥99% (typical reagent-grade purity — to be confirmed by the supplier's specification) |
| Clp index no      | 602-006-00-4                                                                          |

### 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][16]</sup>

#### Skin contact

Remove contaminated clothing. Rinse skin with soap and water (min. 15 minutes). <sup>[1][2][16]</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][16]</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][16]</sup>

#### Symptoms and effects

nausea, vomiting, diarrhoea; cough, shortness of breath, headache, dizziness; skin redness and irritation; eye irritation and watering. <sup>[3][12]</sup>

#### Notes for physician

Requires verification

**Emergency numbers: Emergency: 112 (EU-wide).  
Poison centre: as designated in the country of  
placing on the market (CLP Art. 45).**

## 5. Firefighting measures

|                                       |                                                                                                |
|---------------------------------------|------------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>   | Adapt extinguishing media to surroundings. CO <sub>2</sub> , dry powder, foam.                 |
| <b>Unsuitable extinguishing media</b> | No specific restrictions.                                                                      |
| <b>Specific hazards</b>               | Thermal decomposition products: CO, CO <sub>2</sub> , HCl (hydrogen chloride). <sup>[17]</sup> |
| <b>Advice for firefighters</b>        | Use self-contained breathing apparatus (SCBA). Full protective suit.                           |

## 6. Accidental release measures

|                                                |                                                                                                                                                                                                   |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions</b>                    | Use personal protective equipment (see Section 8). Avoid breathing vapours. <sup>[1][2][16]</sup>                                                                                                 |
| <b>Environmental precautions</b>               | Prevent entry into sewers, groundwater and surface water. <sup>[1][2][16]</sup>                                                                                                                   |
| <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. <sup>[1][2][16]</sup> |
| <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. <sup>[1][2][16]</sup> |
| <b>Storage temperature</b>    | Store at room temperature (15-25°C) or as indicated on the label. <sup>[1][2][16]</sup>                                  |
| <b>Humidity</b>               | Store in a dry place (<60% RH). <sup>[1][2][16]</sup>                                                                    |
| <b>Light</b>                  | Protect from direct sunlight. <sup>[1][2][16]</sup>                                                                      |
| <b>Incompatible materials</b> | Strong oxidizers. <sup>[17]</sup>                                                                                        |

## 8. Exposure controls/personal protection

### 8.1 Control parameters

|                           |                                                                                                                                                |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OEL — NDS (Poland)</b> | NDS = 8 mg/m <sup>3</sup> (TWA) — Rozp. MRiPS Dz.U.2024 poz.1017 <sup>[26]</sup>                                                               |
| <b>OEL (EU)</b>           | The EU OEL value has not been verified against the available dataset — check the IOELV/BOELV directives; do not assume the absence of a value. |
| <b>DNEL</b>               | No data available.                                                                                                                             |
| <b>PNEC</b>               | No data available.                                                                                                                             |

### 8.2 Personal protective equipment (PPE) <sup>[5][6][20]</sup>



**Chemical-resistant protective gloves**  
EN ISO 374-1:2016+A1:2018  
fluoroelastomer FKM  
(Viton), min. 0.4 mm — NOT  
nitrile (breakthrough  
within minutes)



**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)



**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)                             | Not applicable                                         |        |
| Melting point                                        | -63.5°C [8] [7]                                        |        |
| Boiling point                                        | 61.1738°C [8] [7]                                      |        |
| Flash point                                          | No data available.                                     |        |
| Flammability                                         | No data available.                                     |        |
| Lower and upper explosion limit                      | No data available.                                     |        |
| Density (20°C)                                       | 1.4826 g/cm <sup>3</sup> [7]                           |        |
| Vapour pressure                                      | 26.264 kPa (197 mmHg, 25°C)<br>(experimental data) [7] |        |
| Relative vapour density                              | 4.12 [25]                                              |        |
| Dynamic viscosity                                    | 0.542 mPa·s [9]                                        |        |
| Kinematic viscosity                                  | No data available.                                     |        |
| Refractive index nD <sup>20</sup>                    | 1.4459 (experimental data) [7]                         |        |
| Auto-ignition temperature                            | No data available.                                     |        |
| Decomposition temperature                            | Not applicable                                         |        |
| Surface Tension                                      | 26.7 mN/m [9]                                          |        |
| Rozpuszcz. w wodzie                                  | 7.95 g/L, 25°C [7]                                     |        |
| Particle characteristics                             | Not applicable (REACH 9.1(r))                          |        |
| Partition coefficient n-octanol/water<br>(log value) | 1.97                                                   |        |
| Molar mass                                           | 119.37 g/mol [7]                                       |        |
| Molecular formula                                    | CHCl <sub>3</sub> [7]                                  |        |
| Lipinski rule (RO5)                                  | PASS                                                   |        |

Where a property above reads "No data available", no measured value was found in the public sources consulted for this substance. The property has not been determined by MolGod.org and no value is inferred. "Not applicable" means the property has no meaning for this substance in the form supplied.

## 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.                                                              |
| Decomposition products | Thermal decomposition products: CO, CO <sub>2</sub> , HCl (hydrogen chloride). |

## 11. Toxicological information

|                   |                                         |
|-------------------|-----------------------------------------|
| LD50 (oral)       | 695 mg/kg (rat) [10][11]                |
| LD50 (dermal)     | No data available.                      |
| LC50 (inhalation) | LC50 47700 mg/m <sup>3</sup> (rat) [11] |

|                                              |                                                                                                                                                             |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Skin irritation</b>                       | Category 2 — skin irritation.                                                                                                                               |
| <b>Eye irritation</b>                        | Category 2 — eye irritation.                                                                                                                                |
| <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>                       | Category 2 (harmonised classification, Annex VI to CLP).                                                                                                    |
| <b>IARC classification (carcinogenicity)</b> | IARC Group 2B — possibly carcinogenic to humans. [local snapshot — not verified against the current IARC list] <sup>[23]</sup>                              |
| <b>Reproductive toxicity</b>                 | Category 2 (harmonised classification, Annex VI to CLP).                                                                                                    |
| <b>STOT — single 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>STOT — repeated exposure</b>              | Category 1 (H372): Causes damage to organs through prolonged or repeated exposure. <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): 13.3 mg/L (Lepomis macrochirus, 96 h). EC <sub>50</sub> (Daphnia): 79 mg/L (Daphnia magna, 24 h). EC <sub>50</sub> (algae): 22.9 mg/L (Raphidocelis subcapitata, 48 h) <sup>[24]</sup> |
| <b>Persistence / biodegradability</b>  | No data available.                                                                                                                                                                                              |
| <b>Bioaccumulative potential</b>       | log Kow = 1.97. Low bioaccumulation potential (log Kow < 4.5 — PBT/vPvB screening criterion per ECHA Guidance R.11). <sup>[21][22]</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> | No information.                                                                                                                                                                                                 |

## 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>[15]</sup> |
| <b>Packaging</b>        | Cleaned packaging may be recycled. Contaminated packaging must be treated as hazardous waste.                                                                 |

## 14. Transport information



Class 6.1 — Toxic substances

|                               |                                                                                                                                                 |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>UN number</b>              | UN 1888 <sup>[14]</sup>                                                                                                                         |
| <b>Proper shipping name</b>   | Chloroform <sup>[14]</sup>                                                                                                                      |
| <b>Transport hazard class</b> | 6.1 <sup>[14]</sup>                                                                                                                             |
| <b>Packing Group</b>          | III <sup>[14]</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.                                                                        |

## Notes

Transport classification per ADR / UN Model Regulations (UN number, class and packing group above). Verify the ADR/IMDG/IATA edition in force on the date of shipment. <sup>[14]</sup>

## 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>                      | Not confirmed in the available Annex XVII dataset — verify against the current ECHA list before placing on the market; do not assume absence of restriction. <sup>[1]</sup> |
| <b>IARC classification (carcinogenicity)</b> | IARC Group 2B — possibly carcinogenic to humans.                                                                                                                            |

## 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 22.09.2026 were omitted as future (not yet applicable).

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

### Scientific citations (10)

Chloroform: MAK Value Documentation, addendum - Translation of the German version from 2022.. (2025). DOI: 10.34865/mb6766e10\_1ad

R. D. Nimantha Karunathilaka, Athige Rajith Niloshan Silva, Chathuranga Bharathee Ranaweera et al.. In Vitro Antibacterial activity of hexane, Chloroform and methanolic extracts of different parts of *Acronychia pedunculata* grown in Sri Lanka. arXiv (2506.13121v1) (2025). DOI: 10.21474/ijar01/1364

et al.. Towards sustainable lipidomics: computational screening and experimental validation of chloroform-free alternatives for lipid extraction.. (2025). DOI: 10.1007/s00216-025-06136-z

Conformational Evolution of Bicalutamide in Chloroform: A Comprehensive NMR Study.. (2025). DOI: 10.3390/molecules30224479

et al.. Safety Assessment of *Pseudomonas fluorescens* DS17R Chloroform Extract: Low Acute But Dose-Dependent Subacute Oral Toxicity in Rats.. (2026). DOI: 10.1155/jt/8893441

### Full text of H statements

|              |                                                                |
|--------------|----------------------------------------------------------------|
| <b>H351</b>  | Suspected of causing cancer                                    |
| <b>H361d</b> | Suspected of damaging the unborn child                         |
| <b>H331</b>  | Toxic if inhaled                                               |
| <b>H302</b>  | Harmful if swallowed                                           |
| <b>H372</b>  | Causes damage to organs through prolonged or repeated exposure |
| <b>H315</b>  | Causes skin irritation                                         |
| <b>H319</b>  | Causes serious eye irritation                                  |

### Full text of P statements

|                  |                                                                           |
|------------------|---------------------------------------------------------------------------|
| <b>P201</b>      | Obtain special instructions before use                                    |
| <b>P202</b>      | Do not handle until all safety precautions have been read and understood  |
| <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>P273</b>      | Avoid release to the environment                                          |
| <b>P280</b>      | Wear protective gloves/protective clothing/eye protection/face protection |
| <b>P301+P312</b> | IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell |
| <b>P302+P352</b> | IF ON SKIN: Wash with plenty of water                                     |

|                       |                                                                                                                                 |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>P304+P340</b>      | IF INHALED: Remove person to fresh air and keep comfortable for breathing                                                       |
| <b>P305+P351+P338</b> | IF IN EYES: Rinse cautiously with water for several minutes; Remove contact lenses, if present and easy to do. Continue rinsing |
| <b>P308+P313</b>      | IF exposed or concerned: Get medical advice/attention                                                                           |
| <b>P311</b>           | Call a POISON CENTER or doctor/physician                                                                                        |
| <b>P314</b>           | Get medical advice/attention if you feel unwell                                                                                 |
| <b>P321</b>           | Specific treatment                                                                                                              |
| <b>P330</b>           | Rinse mouth                                                                                                                     |
| <b>P332+P313</b>      | If skin irritation occurs: Get medical advice/attention                                                                         |
| <b>P337+P313</b>      | If eye irritation persists: Get medical advice/attention                                                                        |
| <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 (22.09.2026)</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: 2026-09-22.
- [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: 2026-09-22.
- [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: 2026-09-22.

- [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: 2026-09-22.
- [5] ISO. ISO 7010:2019 — Graphical symbols. Safety signs. URL: <https://www.iso.org/standard/72424.html> Accessed: 2026-09-22.
- [6] ISO. ISO 3864-1:2011 — Safety colours and safety signs. URL: <https://www.iso.org/standard/51021.html> Accessed: 2026-09-22.
- [7] PubChem. National Center for Biotechnology Information (NIH/NLM), chemical compound database. URL: <https://pubchem.ncbi.nlm.nih.gov/compound/6212>
- [8] NIST. Chemistry WebBook, SRD 69. National Institute of Standards and Technology. URL: <https://webbook.nist.gov/cgi/cbook.cgi?ID=67-66-3>
- [9] Reid, R.C., Prausnitz, J.M., Poling, B.E. The Properties of Gases and Liquids. 4th ed. New York: McGraw-Hill, 1987.
- [10] NIOSH. Registry of Toxic Effects of Chemical Substances (RTECS). Cincinnati: NIOSH. URL: <https://www.cdc.gov/niosh/rtecs>
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## External links

NIST: <https://webbook.nist.gov/cgi/cbook.cgi?ID=67-66-3>

Wikidata: <https://www.wikidata.org/wiki/Q172275>

ChEMBL: [https://www.ebi.ac.uk/chembl/compound\\_report\\_card/ChEMBL44618](https://www.ebi.ac.uk/chembl/compound_report_card/ChEMBL44618)

**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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