

## SAFETY DATA SHEET (SDS)

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

Date: 03.09.2026 | Version: 1 | EN

## octadecanoic acid

octadecanoic acid

CAS 57-11-4

 $C_{18}H_{36}O_2$ MOLAR MASS  
284.50LOGP  
7.4

## HAZARD CLASSIFICATION (GHS / CLP)



Danger

H301 H400

Non-harmonised classification (no entry in Annex VI to CLP) — assigned from aggregated ECHA C&L notifications; the H-statements require verification against the official source (ECHA C&L / manufacturer's data sheet).

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

## 1.1 Substance name

## 1.1 IUPAC name

octadecanoic acid

## 1.1 CAS number

57-11-4

## 1.1 EC number

No data

## 1.1 PubChem CID

5281

## 1.1 InChIKey

QIQXTHQIDYFRH-UHFFFAOYSA-N

## 1.1 SMILES

CCCCCCCCCCCCCCCC(=O)O

## 1.1 Molecular formula

 $C_{18}H_{36}O_2$  <sup>[7]</sup>

## 1.1 Molar mass

284.5 g/mol <sup>[7]</sup>

## 1.1 Exact mass

284.2715 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

112 (EU-wide emergency number)

## 2. Hazards identification

GHS:



PPE:



Prohibitions:



**Danger**

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

|             |                            |
|-------------|----------------------------|
| <b>H301</b> | Toxic if swallowed         |
| <b>H400</b> | Very toxic to aquatic life |

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

|                  |                                                                     |
|------------------|---------------------------------------------------------------------|
| <b>P264</b>      | Wash thoroughly after handling                                      |
| <b>P270</b>      | Do not eat, drink or smoke when using this product                  |
| <b>P273</b>      | Avoid release to the environment                                    |
| <b>P301+P310</b> | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  |
| <b>P330</b>      | Rinse mouth                                                         |
| <b>P391</b>      | Collect spillage                                                    |
| <b>P501</b>      | Dispose of contents/container to an approved waste collection point |

**Non-harmonised classification (no entry in Annex VI to CLP) — assigned from aggregated ECHA C&L notifications; the H-statements require verification against the official source (ECHA C&L / manufacturer's data sheet).**

### 3. Composition/information on ingredients

|                          |                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------|
| <b>Substance type</b>    | pure substance                                                                        |
| <b>CAS Number</b>        | 57-11-4                                                                               |
| <b>Molecular formula</b> | $C_{18}H_{36}O_2$                                                                     |
| <b>Concentration</b>     | ≥99% (typical reagent-grade purity — to be confirmed by the supplier's specification) |

### 4. First aid measures



#### Inhalation

Move the affected person to fresh air. Keep at rest. If not breathing: artificial respiration (qualified personnel only). <sup>[1][2][11]</sup>

#### Skin contact

Remove contaminated clothing. Rinse skin with soap and water (min. 15 minutes). <sup>[1][2][11]</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][11]</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][11]</sup>

#### Symptoms and effects

nausea, vomiting, diarrhoea. <sup>[3]</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>   | 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> . <sup>[12]</sup>          |
| <b>Advice for firefighters</b>        | Use self-contained breathing apparatus (SCBA). Full protective suit.           |
| <b>Flash Point</b>                    | 112.8°C <sup>[7]</sup>                                                         |
| <b>Auto-ignition temperature</b>      | 395°C <sup>[7]</sup>                                                           |

### 6. Accidental release measures

|                                                |                                                                                                                                                            |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions</b>                    | Use personal protective equipment (see Section 8). Avoid breathing dust. <sup>[1][2][11]</sup>                                                             |
| <b>Environmental precautions</b>               | Prevent entry into sewers, groundwater and surface water. <sup>[1][2][11]</sup>                                                                            |
| <b>Methods for containment and cleaning up</b> | Collect mechanically into suitable containers. Absorption: sand, vermiculite, diatomaceous earth. Do not sweep dry (dust formation). <sup>[1][2][11]</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][11]</sup> |
| <b>Storage temperature</b> | Store at room temperature (15-25°C) or as indicated on the label. <sup>[1][2][11]</sup>                                  |

|                               |                                                                                   |
|-------------------------------|-----------------------------------------------------------------------------------|
| <b>Humidity</b>               | Store in a dry place (<60% RH). <sup>[1][2][11]</sup>                             |
| <b>Light</b>                  | Protect from direct sunlight. <sup>[1][2][11]</sup>                               |
| <b>Incompatible materials</b> | Strong oxidizers, strong bases, Base metals (hydrogen evolution). <sup>[12]</sup> |

## 8. Exposure controls/personal protection

### 8.1 Control parameters

|                           |                                                                                                                                                    |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OEL — NDS (Poland)</b> | No NDS (OEL) value in the available working list — verify in the current MRPiPS regulation before use; do not assume the absence of a limit value. |
| <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][13]</sup>



**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



**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>                              | Solid                                                          |        |
| <b>Colour</b>                                      | No data available.                                             |        |
| <b>Odour</b>                                       | No data available.                                             |        |
| <b>pH (1% aqueous solution)</b>                    | No data available.                                             |        |
| <b>Melting point</b>                               | 68.1942°C <sup>[8] [7]</sup>                                   |        |
| <b>Boiling point</b>                               | 368.2596°C <sup>[8] [7]</sup>                                  |        |
| <b>Flash point</b>                                 | 112.8°C (experimental data) <sup>[7]</sup>                     |        |
| <b>Flammability</b>                                | No data available.                                             |        |
| <b>Lower and upper explosion limit</b>             | Not applicable (REACH 9.1(g))                                  |        |
| <b>Density (20°C)</b>                              | 0.8721 g/cm <sup>3</sup> <sup>[7]</sup>                        |        |
| <b>Vapour pressure</b>                             | 0.133 kPa (1 mmHg, 173.7°C) (experimental data) <sup>[7]</sup> |        |
| <b>Relative vapour density</b>                     | Not applicable (REACH 9.1(q))                                  |        |
| <b>Dynamic viscosity</b>                           | 9.87 mPa·s <sup>[7]</sup>                                      |        |
| <b>Kinematic viscosity</b>                         | Not applicable (REACH 9.1(l))                                  |        |
| <b>Refractive index n<sub>D</sub><sup>20</sup></b> | 1.4299 (experimental data) <sup>[7]</sup>                      |        |
| <b>Auto-ignition temperature</b>                   | 395°C (experimental data) <sup>[7]</sup>                       |        |

| Property (item 9.1)                                      | Value                                                                                                                                                                | Source |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <b>Decomposition temperature</b>                         | Not applicable                                                                                                                                                       |        |
| <b>Rozpuszcz. w wodzie</b>                               | 0.0006 g/L, 25°C <sup>[7]</sup>                                                                                                                                      |        |
| <b>Particle characteristics</b>                          | The particle size distribution has not been determined for this commercial form – required under Annex II 9.1(r); to be completed from the supplier's specification. |        |
| <b>Partition coefficient n-octanol/water (log value)</b> | 7.4 <sup>[9]</sup>                                                                                                                                                   |        |
| <b>Molar mass</b>                                        | 284.5 g/mol <sup>[7]</sup>                                                                                                                                           |        |
| <b>Molecular formula</b>                                 | C <sub>18</sub> H <sub>36</sub> O <sub>2</sub> <sup>[7]</sup>                                                                                                        |        |
| <b>Lipinski rule (R05)</b>                               | <b>PASS</b>                                                                                                                                                          |        |

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

|                               |                                                                   |
|-------------------------------|-------------------------------------------------------------------|
| <b>Reactivity</b>             | Stable under normal storage and handling conditions.              |
| <b>Chemical stability</b>     | Thermally stable under recommended conditions.                    |
| <b>Hazardous reactions</b>    | No hazardous reactions known under normal conditions.             |
| <b>Conditions to avoid</b>    | High temperatures, direct sunlight, moisture.                     |
| <b>Incompatible materials</b> | Strong oxidizers, strong bases, Base metals (hydrogen evolution). |
| <b>Decomposition products</b> | Thermal decomposition products:CO, CO2.                           |

## 11. Toxicological information

|                                              |                                                                                                                                                   |
|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>LD50 (oral)</b>                           | No data available.                                                                                                                                |
| <b>LD50 (dermal)</b>                         | LD50 >5000 mg/kg (rabbit) <sup>[7]</sup>                                                                                                          |
| <b>LC50 (inhalation)</b>                     | No data available.                                                                                                                                |
| <b>Skin irritation</b>                       | No data available.                                                                                                                                |
| <b>Eye irritation</b>                        | No data available.                                                                                                                                |
| <b>Sensitisation</b>                         | No data available.                                                                                                                                |
| <b>Mutagenicity</b>                          | No data available.                                                                                                                                |
| <b>Carcinogenicity</b>                       | No data available.                                                                                                                                |
| <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>                 | No data available.                                                                                                                                |
| <b>STOT — single exposure</b>                | No data available.                                                                                                                                |
| <b>STOT — repeated exposure</b>              | No data available.                                                                                                                                |
| <b>Aspiration hazard</b>                     | No data available.                                                                                                                                |

## 12. Ecological information

|                                        |                                                                                                                                                                                                                                                             |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Aquatic toxicity</b>                | Classification per ECHA C&L notifications (self-classification, Art. 4(3)): H400 — Very toxic to aquatic life (Aquatic Acute 1). Numerical LC <sub>50</sub> /EC <sub>50</sub> data unverified in the available dataset — do not assume absence of toxicity. |
| <b>Persistence / biodegradability</b>  | No data available.                                                                                                                                                                                                                                          |
| <b>Bioaccumulative potential</b>       | log Kow = 7.4 <sup>[9]</sup> . Elevated bioaccumulation potential (log Kow ≥ 4.5 — PBT/vPvB screening threshold per ECHA R.11); a definitive assessment requires the bioconcentration factor BCF (REACH Annex XIII: B if BCF > 2000). <sup>[14][15]</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>[10]</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>                                       | VERIFICATION REQUIRED — no verified UN assignment.                                                                                                                                                          |
| <b>Transport hazard class</b>                          | Suggested from GHS classification — VERIFICATION REQUIRED.                                                                                                                                                  |
| <b>Environmental hazard</b>                            | CLP classification (H400) indicates aquatic environmental hazard — marine pollutant marking may be required; confirm per ADR 2.2.9 / IMDG criteria <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>                                           | NOTE: the GHS classification indicates the substance may be subject to dangerous goods transport regulations (ADR/IMDG/IATA). Do NOT assume absence of restrictions — verify the UN number before shipping. |
| <b>Environmentally hazardous (mark: fish and tree)</b> | Yes                                                                                                                                                                                                         |

## 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> |

## 16. Other information

Legal status of classification: supplier self-classification under Art. 4(3) CLP — no harmonised entry in Annex VI. Entries with an entry-into-force date after 03.09.2026 were omitted as future (not yet applicable).

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

### Scientific citations (10)

Song X, Chen Z, Jia R et al.. Transcriptomics and proteomic studies reveal acaricidal mechanism of octadecanoic acid-3, 4 - tetrahydrofuran diester against *Sarcoptes scabiei* var. *cuniculi*.. Scientific reports (2017). DOI: 10.1038/srep45479

et al.. Dual targeting curcumin loaded alendronate-hyaluronan- octadecanoic acid micelles for improving osteosarcoma therapy.. (2019). DOI: 10.2147/ijn.s211981

Gas-liquid chromatography: the separation and identification of the methyl esters of saturated and unsaturated acids from formic acid to n-octadecanoic acid.. (1956). DOI: 10.1042/bj0630144

DINESH KUMAR VAIRAVEL, Sivasubramanian Mahadevan, Armstrong Michael et al.. Investigating the hydrophobic properties and corrosion resistance of copper surfaces via octadecanoic acid chemical deposition technique. *Zaštita Materijala* (2026). DOI: 10.62638/ZasMat1390

Datta S, Verma P, Dhara B et al.. Interplay of precision therapeutics and MD study: *Calocybe indica*'s potentials against cervical cancer and its interaction with VEGF via octadecanoic acid.. *Journal of cellular and molecular medicine* (2024). DOI: 10.1111/jcmm.18302

### Full text of H statements

|             |                            |
|-------------|----------------------------|
| <b>H301</b> | Toxic if swallowed         |
| <b>H400</b> | Very toxic to aquatic life |

### Full text of P statements

|                  |                                                                     |
|------------------|---------------------------------------------------------------------|
| <b>P264</b>      | Wash thoroughly after handling                                      |
| <b>P270</b>      | Do not eat, drink or smoke when using this product                  |
| <b>P273</b>      | Avoid release to the environment                                    |
| <b>P301+P310</b> | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  |
| <b>P330</b>      | Rinse mouth                                                         |
| <b>P391</b>      | Collect spillage                                                    |
| <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 (03.09.2026)</b> | Based on supplier self-classification (ECHA C&L notifications; no harmonised entry in Annex VI). |
|------------------------|--------------------------------------------------------------------------------------------------|

### 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: 2026-09-03.
- [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: 2026-09-03.
- [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: 2026-09-03.
- [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: 2026-09-03.
- [5] ISO. ISO 7010:2019 — Graphical symbols. Safety signs. URL: <https://www.iso.org/standard/72424.html> Accessed: 2026-09-03.
- [6] ISO. ISO 3864-1:2011 — Safety colours and safety signs. URL: <https://www.iso.org/standard/51021.html> Accessed: 2026-09-03.
- [7] PubChem. National Center for Biotechnology Information (NIH/NLM), chemical compound database. URL: <https://pubchem.ncbi.nlm.nih.gov/compound/5281>
- [8] NIST. Chemistry WebBook, SRD 69. National Institute of Standards and Technology. URL: <https://webbook.nist.gov/cgi/cbook.cgi?ID=57-11-4>
- [9] Rumble, J.R., ed. CRC Handbook of Chemistry and Physics. 105th ed. Boca Raton: CRC Press, 2024. URL: <https://hbcpc.chemnetbase.com>
- [10] European Commission. Decision 2000/532/EC establishing a list of wastes (European Waste Catalogue). OJ EU L 226/3. URL: <https://eur-lex.europa.eu/eli/dec/2000/532/oj>
- [11] European Chemicals Agency (ECHA). Guidance on the Compilation of Safety Data Sheets. Version 4.0. Helsinki: European Chemicals Agency, 2020. URL: [https://echa.europa.eu/documents/10162/2324906/sds\\_en.pdf](https://echa.europa.eu/documents/10162/2324906/sds_en.pdf)
- [12] Urban, P.G., ed. Bretherick's Handbook of Reactive Chemical Hazards. 8th ed. Oxford: Academic Press.
- [13] CEN. Personal protective equipment standards (EN ISO 374-1, EN 166, EN 149, EN 14387, EN ISO 20345). Brussels: European Committee for Standardization.
- [14] ECHA. Guidance on Information Requirements and Chemical Safety Assessment, Chapter R.11: PBT/vPvB Assessment. Helsinki: European Chemicals Agency. URL: <https://echa.europa.eu/guidance-documents/guidance-on-information-requirements-and-chemical-safety-assessment>
- [15] European Parliament and Council. Regulation (EC) No 1907/2006 (REACH), Annex XIII — Criteria for the identification of PBT and vPvB substances. OJ EU L 396/2006 (consolidated). URL: <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:02006R1907-20140410>
- [16] MRIPS Regulation of 12.06.2018 — NDS/NDN. Journal of Laws 2024 item 1017. URL: <https://isap.sejm.gov.pl/isap.nsf/DocDetails.xsp?id=WDU20240001017> Accessed: 2026-09-03.

### External links

NIST: <https://webbook.nist.gov/cgi/cbook.cgi?ID=57-11-4>  
 ChEMBL: [https://www.ebi.ac.uk/chembl/compound\\_report\\_card/ChEMBL46403](https://www.ebi.ac.uk/chembl/compound_report_card/ChEMBL46403)

**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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**Generator:** Document generated automatically from supplier self-classification (ECHA C&L notifications) and public physicochemical databases.

**Author:** [www.MolGod.org](http://www.MolGod.org) — platform for automated safety data sheets (SDS).

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