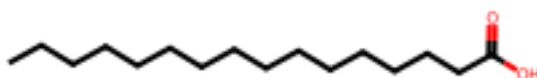


PALMITIC ACID

hexadecanoic acid

Formula	C ₁₆ H ₃₂ O ₂
Mol. wt.	256.2402 g/mol
InChIKey	IPCSVZSSVZVIGE-UHFFFAOYSA-N

1. MOLECULAR STRUCTURE 2D



2. HAZARD IDENTIFICATION (GHS)

Signal word: WARNING

Hazard pictograms:



Irritant

Hazard statements (H)

- H315: Causes skin irritation [Warning Skin corrosion/irritation]

Precautionary statements (P)

- P261, P264, P264+P265, P271, P280, P302+P352, P304+P340, P305+P351+P338, P319, P321, P332+P317, P337+P317, P362+P364, P403+P233, P405, and P501 (click each P-code to see the statement)

3. NFPA 704 SYSTEM

NFPA 704 data not available.

4. ACUTE TOXICITY

LD50 data not available.

5. RELEVANT PHYSICAL AND CHEMICAL PROPERTIES

Property	Value	Unit	Source
Boiling point	351.5	°C	pubchem_pugview

Density	Density: 0.8527 g/cu cm at 62 °C	—	pubchem_pugview
LogP (experimental)	log Kow = 7.17	—	pubchem_pugview
Melting point	62.49 °C	—	pubchem_pugview
Vapor pressure	0.00000038 [mmHg]	—	pubchem_pugview
Water solubility	In water, 0.04 mg/L at 25 °C	—	pubchem_pugview

IMPORTANT LEGAL DISCLAIMER

This document is an INFORMATIONAL SAFETY PROPERTIES SUMMARY automatically generated from PubChem data (National Institutes of Health, USA). It is NOT an official Safety Data Sheet (SDS) and does not comply with GHS, OSHA HazCom, REACH (EU), or any equivalent national regulation. It must NOT be used as the sole reference document in industrial settings, professional laboratories, or for occupational risk assessment. Always consult the official SDS from the compound supplier and applicable local regulations before handling.

Official SDS sources:

- Sigma-Aldrich (Merck): <https://www.sigmaaldrich.com/search#q=PALMITIC ACID>
- Fisher Scientific: <https://www.fishersci.com/us/en/catalog/search/sds?query=PALMITIC ACID>
- PubChem (source data): <https://pubchem.ncbi.nlm.nih.gov/#query=PALMITIC ACID>
- GESTIS (database): <https://gestis-database.dguv.de/>

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