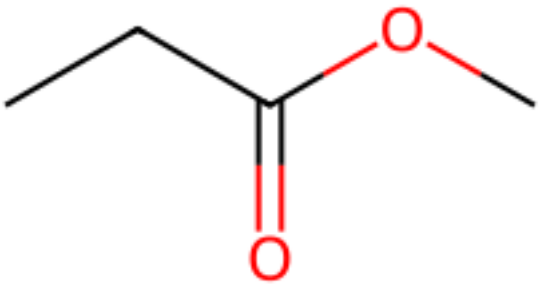
METHYL PROPANOATE

Formula	$C_4H_8O_2$
Mol. wt.	88.0524 g/mol
InChIKey	RJUFJBKOKNCXHH-UHFFFAOYSA-N

1. MOLECULAR STRUCTURE 2D



2. HAZARD IDENTIFICATION (GHS)

Signal word: DANGER

Hazard pictograms:



Flammable

Hazard statements (H)

• H332: Harmful if inhaled [Warning Acute toxicity, inhalation]

Precautionary statements (P)

• P210, P233, P240, P241, P242, P243, P261, P271, P280, P303+P361+P353, P304+P340, P317, P370+P378, P403+P235, and P501 (click each P-code to see the statement)

3. NFPA 704 SYSTEM



Quadrant	Value	Description
Health (blue)	1	Slight irritation
Flammability (red)	3	Burns below 37 °C
Reactivity (yellow)	0	Stable

NFPA 704 scale: 0 = no hazard | 1 = slight | 2 = moderate | 3 = serious | 4 = severe

4. ACUTE TOXICITY

LD50 data not available.

5. RELEVANT PHYSICAL AND CHEMICAL PROPERTIES

Property	Value	Unit	Source
Boiling point	175.5 °F at 760 mmHg (NTP, 1992)	—	pubchem_pugview
Density	0.937 at 39 °F (NTP, 1992) - Less dense than water; will float	—	pubchem_pugview
LogP (experimental)	log Kow= 0.82	—	pubchem_pugview
Flash point	28 °F (NTP, 1992)	—	pubchem_pugview
Melting point	-125 °F (NTP, 1992)	—	pubchem_pugview
Vapor pressure	40 mmHg at 52 °F (NTP, 1992)	—	pubchem_pugview
Water solubility	50 to 100 mg/mL at 72 °F (NTP, 1992)	—	pubchem_pugview

IMPORTANT LEGAL DISCLAIMER

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

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