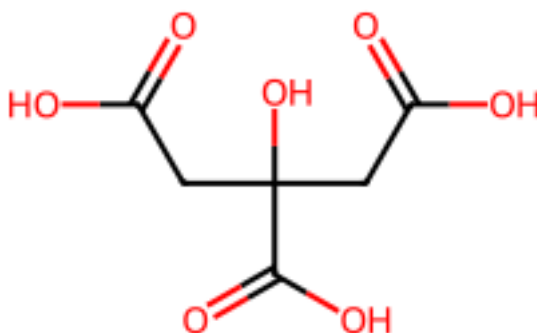


CITRIC ACID

2-hydroxypropane-1,2,3-tricarboxylic acid

Formula	C ₆ H ₈ O ₇
Mol. wt.	192.027 g/mol
InChIKey	KRKNYBCHXYNGOX-UHFFFAOYSA-N

1. MOLECULAR STRUCTURE 2D



2. HAZARD IDENTIFICATION (GHS)

Signal word: WARNING

Hazard pictograms:



Irritant

Hazard statements (H)

- H319: Causes serious eye irritation [Warning Serious eye damage/eye irritation]

Precautionary statements (P)

- P261, P264+P265, P271, P280, P304+P340, P305+P351+P338, P319, P337+P317, 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	Decomposes (NTP, 1992)	—	pubchem_pugview

Density	1.54 at 68 °F (USCG, 1999) - Denser than water; will sink	—	pubchem_pugview
LogP (experimental)	log Kow = -1.64	—	pubchem_pugview
Flash point	100 °C	—	pubchem_pugview
Melting point	307 °F (anhydrous) (NTP, 1992)	—	pubchem_pugview
Water solubility	greater than or equal 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=CITRIC ACID>
- Fisher Scientific: <https://www.fishersci.com/us/en/catalog/search/sds?query=CITRIC ACID>
- PubChem (source data): <https://pubchem.ncbi.nlm.nih.gov/#query=CITRIC ACID>
- GESTIS (database): <https://gestis-database.dguv.de/>

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