

# [Oxalic acid dihydrate c2h6o6 structure](https://assignbuster.com/oxalic-acid-dihydrate-c2h6o6-structure/)

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* Safety:

|  |  |
| --- | --- |
| Molecular Formula | C 2 H 6 O 6 |
| Average mass | 126. 065 Da |
| Density |  |
| Boiling Point |  |
| Flash Point |  |
| Molar Refractivity |  |
| Polarizability |  |
| Surface Tension |  |
| Molar Volume |  |

* Experimental data
* Predicted – ACD/Labs
* Predicted – ChemAxon
* Experimental Physico-chemical Properties

## Experimental Melting Point:

|  |
| --- |
| 101-105 °CAlfa Aesar |
| 104-106 °COxford University Chemical Safety Data (No longer updated)More details |
| 101-105 °CAlfa AesarA13866, 33262 |
| 104-106 °CSynQuest78149, 2121-1-12 |
| 104-106 °COakwood094439 |

## Experimental Gravity:

|  |
| --- |
| 1. 65 g/mLAlfa AesarA13866, 33262 |

## Experimental Solubility:

|  |
| --- |
| Very soluble in water. Moderately soluble in ethanol. Sparingly soluble in etherAlfa Aesar33262 |

* Miscellaneous

## Appearance:

|  |
| --- |
| white crystalsOxford University Chemical Safety Data (No longer updated)More details |

## Stability:

|  |
| --- |
| Stable. Incompatible with bases, acid chlorides, steel, silver, silver compounds, moisture. Avoid contact with metals. Oxford University Chemical Safety Data (No longer updated)More details |

## Toxicity:

|  |
| --- |
| ORL-RAT LD50 7500 mg kg-1, UNR-RAT LD50 1400 mg kg-1Oxford University Chemical Safety Data (No longer updated)More details |

## Safety:

|  |
| --- |
| 21/22Alfa Aesar33262, A13866 |
| 24/25Alfa Aesar33262, A13866 |
| 8Alfa Aesar33262, A13866 |
| DANGER: CORROSIVE, burns skin and eyesAlfa Aesar33262, A13866 |
| H302-H312Alfa Aesar33262, A13866 |
| Harmful/CorrosiveSynQuest2121-1-12, 78149 |
| P280-P301+P312-P312-P363-P322-P501aAlfa Aesar33262, A13866 |
| R21/22, R34, R41SynQuest2121-1-12, 78149 |
| S13, S22, S24/25, S26, S36/37/39, S45SynQuest2121-1-12, 78149 |
| Safety glasses, gloves. Avoid generation of dust. Oxford University Chemical Safety Data (No longer updated)More details |
| WarningAlfa Aesar33262, A13866 |
| XnAbblis ChemicalsAB1009583 |

Predicted data is generated using the ACD/Labs Percepta Platform – PhysChem Module

No predicted properties have been calculated for this compound.

|  |  |
| --- | --- |
| Density: |  |
| Boiling Point: |  |
| Vapour Pressure: |  |
| Enthalpy of Vaporization: |  |
| Flash Point: |  |
| Index of Refraction: |  |
| Molar Refractivity: |  |
| #H bond acceptors: |  |
| #H bond donors: |  |
| #Freely Rotating Bonds: |  |
| #Rule of 5 Violations: |  |

|  |  |
| --- | --- |
| ACD/LogP: |  |
| ACD/LogD (pH 5. 5): |  |
| ACD/BCF (pH 5. 5): |  |
| ACD/KOC (pH 5. 5): |  |
| ACD/LogD (pH 7. 4): |  |
| ACD/BCF (pH 7. 4): |  |
| ACD/KOC (pH 7. 4): |  |
| Polar Surface Area: |  |
| Polarizability: |  |
| Surface Tension: |  |
| Molar Volume: |  |

Click to predict properties on the Chemicalize site