

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

\n[toc title="Table of Contents"]\n

\n \t

1. [Experimental Melting Point:](#experimental-melting-point) \n \t
2. [Experimental Gravity:](#experimental-gravity) \n \t
3. [Experimental Solubility:](#experimental-solubility) \n \t
4. [Appearance:](#appearance) \n \t
5. [Stability:](#stability) \n \t
6. [Toxicity:](#toxicity) \n \t
7. [Safety:](#safety) \n

\n[/toc]\n \n

Contents

* 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| 104-106 °COxford University Chemical Safety Data (No longer updated)More details  |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| white crystalsOxford University Chemical Safety Data (No longer updated)More details  |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 Oxford University Chemical Safety Data (No longer updated)More details  |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| ORL-RAT LD50 7500 mg kg-1, UNR-RAT LD50 1400 mg kg-1Oxford University Chemical Safety Data (No longer updated)More details  |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 Oxford University Chemical Safety Data (No longer updated)More details  |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