

# [Bismuth fluoride bif3 structure](https://assignbuster.com/bismuth-fluoride-bif3-structure/)

Contents

* Safety:

|  |  |
| --- | --- |
| Molecular Formula | BiF 3 |
| Average mass | 265. 976 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:

|  |
| --- |
| 727 °CAlfa Aesar |
| 727 °CAlfa Aesar11844, 13075 |
| 727 °CSynQuest56625, 27799, M083-2-03, M083-2-X1 |
| 727 °COakwood[004113] |
| 727 °CLabNetworkLN01313191 |

## Experimental Gravity:

|  |
| --- |
| 5. 32 g/mLSynQuestM083-2-03, M083-2-X1 |
| 5. 32 g/mLOakwood[004113] |
| 5. 32 g/mLFluorochem |
| 5. 32 g/lFluorochem004113 |

## Experimental Refraction Index:

|  |
| --- |
| 1. 74Alfa Aesar13075, 11844 |

## Experimental Solubility:

|  |
| --- |
| Practically insoluble in water. Soluble in HFAlfa Aesar13075 |

* Miscellaneous

## Safety:

|  |
| --- |
| 26-37Alfa Aesar11844, 13075 |
| 36/38Alfa Aesar11844, 13075 |
| CorrosiveSynQuest27799, M083-2-X1, 56625, M083-2-03 |
| R20/21/22, R34, R363/37/38SynQuest27799, M083-2-X1, 56625, M083-2-03 |
| R34, R36/37/38SynQuest27799, 56625 |
| S22, S24/25, S26, S36/37/39, S45SynQuest27799, 56625 |
| S3/7, S22, S24/25, S26, S36/37/39, S45SynQuest27799, M083-2-X1, 56625, M083-2-03 |
| WARNING: CORROSIVE, burns skin and eyesAlfa Aesar11844, 13075 |
| WARNING: CORROSIVE, irritates skin and eyesAlfa Aesar11844, 13075 |

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

|  |  |
| --- | --- |
| Density: |  |
| Boiling Point: |  |
| Vapour Pressure: |  |
| Enthalpy of Vaporization: |  |
| Flash Point: |  |
| Index of Refraction: |  |
| Molar Refractivity: |  |
| #H bond acceptors: | 0 |
| #H bond donors: | 0 |
| #Freely Rotating Bonds: | 0 |
| #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: | 0 Å 2 |
| Polarizability: |  |
| Surface Tension: |  |
| Molar Volume: |  |

Click to predict properties on the Chemicalize site