

# [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