

# [Calcium arsenate (3:2) as2ca3o8 structure](https://assignbuster.com/calcium-arsenate-32-as2ca3o8-structure/)

Contents

* Exposure Limits:

|  |  |
| --- | --- |
| Molecular Formula  | As 2 Ca 3 O 8  |
| Average mass  | 398. 072 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 Vapor Pressure:

|  |
| --- |
| 0 mmHg (Approximate)NIOSHCG0830000  |

## Experimental Gravity:

|  |
| --- |
| 3. 62 g/mLAlfa Aesar39219  |

* Miscellaneous

## Appearance:

|  |
| --- |
| Colorless to white, odorless solid. [insecticide/herbicide]NIOSHCG0830000  |

## Safety:

|  |
| --- |
| 45-23/25-50/53Alfa Aesar39219  |
| 53-45-60-61Alfa Aesar39219  |
| DANGER: CONTAINS INORGANIC ARSENIC-CANCER HAZARDAlfa Aesar39219  |
| DANGER: POISON, causes skin and lung cancerAlfa Aesar39219  |

## First-Aid:

|  |
| --- |
| Eye: Irrigate immediately Skin: Soap wash promptly Breathing: Respiratory support Swallow: Medical attention immediatelyNIOSHCG0830000  |

## Exposure Routes:

|  |
| --- |
| inhalation, skin absorption, ingestion, skin and/or eye contactNIOSHCG0830000  |

## Symptoms:

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| --- |
| Lassitude (weakness, exhaustion); gastrointestinal disturbance; peripheral neuropathy; skin hyperpigmentation, palmar planter hyperkeratoses; dermatitis; [potential occupational carcinogen]; in animals: liver damageNIOSHCG0830000  |

## Target Organs:

|  |
| --- |
| Eyes, respiratory system, liver, skin, central nervous system, lymphatic system Cancer Site [lymphatic & lung cancer]NIOSHCG0830000  |

## Incompatibility:

|  |
| --- |
| None reported [Note: Produces toxic fumes of arsenic when heated to decomposition.]NIOSHCG0830000  |

## Personal Protection:

|  |
| --- |
| Skin: Prevent skin contact Eyes: Prevent eye contact Wash skin: When contaminated/Daily Remove: When wet or contaminated Change: Daily Provide: Eyewash, Quick drenchNIOSHCG0830000  |

## Exposure Limits:

|  |
| --- |
| NIOSH REL : Ca C 0. 002 mg/m 3 [15-minute] See Appendix A OSHA PEL : [1910. 1018] TWA 0. 010 mg/m 3NIOSHCG0830000  |

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