

# [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:

|  |
| --- |
| 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