

GHS Safety Data Sheet

SDS No. : BAF08PAEG

Date Issued : 2024/11/12

Section 1. Identification of the substance or mixture and of the supplier

Product Information

Product name: **BaTaO₂N Barium tantalum nitride oxide**

Product number:	Purity	Form	Size or Shape
BAI08PB	99.9%(3N)	Powder	—
BAI11PB	99.9%(3N)	Powder	—

Company Information:

Manufacturer : Kojundo Chemical Laboratory Co., Ltd.

1-28, 5-chome, Chiyoda, Sakado-shi, Saitama Japan 350-0284

Phone: +81-49-284-1511 Fax: +81-49-284-1351

Emergency Phone : +81-49-284-1511

Recommended uses and restrictions on use: For research purposes

Section 2. Hazards identification

GHS Classification

This GHS classification utilized “CLP classification” results as reference.

CLP classification: The classification and categorization adopted in CLP(Regulation on Classification, Labelling and Packaging of Substances and Mixtures, Regulation(EC)1272/2008)

Health Hazards	Environmental Hazards	Physical Hazards
Acute toxicity (Oral):Category 4 Acute toxicity (Inhalation-dust, mist): Category 4	No data available	Flammable solids : Notclassified Pyrophoric solids : Not classified Self-heating substances and mixtures : Not classified Substances and mixtures which, in contact with water, emit flammable gases : Not classified

GHS Label:



Pictograms or symbols:

Warning word: WARNING

Hazard information	Description of precaution
Harmful if swallowed Harmful if inhaled	Avoid breathing dust/mist/gas/fume/vapor/spray. Do not eat, drink or smoke when using this product, and wash hands thoroughly after handling. Use only outdoors or in well-ventilated area. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell. Dispose of contents/ container in accordance with local/national regulations.



High Purity Materials

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Section 3. Composition / information on ingredients

Chemical or common name:	Barium tantalum nitride oxide
Chemical formula:	BaTaO ₂ N
Single Substance or Compound:	Single substance
Composition:	100%
CAS #:	102499-34-3
RTECS#:	Not listed
TSCA inventory :	Not listed
EINECS:	Not listed

Section 4. First aid measures

Eye contact:	Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.
Skin contact:	Promptly flush contaminated skin with soap or mild detergent and water. Contact physician if irritation continues.
Inhalation:	Remove the exposed person immediately and provide fresh air. Get medical attention.
Ingestion:	Rinse mouth and throat with water. Get medical attention immediately.

Section5. Fire fighting measures

Extinguishing media:	The product is not combustible. Use media appropriate for surrounding fire.
Fire fighting:	Self-contained breathing apparatus and full protective clothing should be used, if the material is involved in fire.

Section 6. Accidental release measures

Personal Precautions:	Workers should use protective wears to prevent contact with the spilt adhesive and inhalation of its vapor/dusts.
Environmental hazard precautions:	Shut off leak if without risk. Prevent flow out to river, etc. so as not to badly affect.
Method for containment and cleaning up:	Indoor leakage: Ventilate as much as possible until the cleaning is completed. Outdoor leakage: Work from the windward and evacuate the leeward crowd. Gather up, pack in closed container as much as possible. Carefully collect remnant and move to a safe place.

Section 7. Handling and storage**Precautions to be taken in handling:**

Safe handling:	Use protective wears and local ventilation equipment, if inhalation or skin contact is foreseen. Avoid prolonged or repeated exposure.
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Precautions to be taken in storage:

General precautions:	Store the material in a sealed container under dry inert atmosphere. Store in a cool, dry, well ventilated and dark place away from incompatible materials.
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Section 8. Exposure controls / personal protection

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Exposure guideline:

Chemical Name	ACGIH(2024) TLV-TWA mg/m ³	OSHA(2006) PEL-TWA mg/m ³
Tantalum compounds	—	5

Facility measures: Local ventilation of closed work room or total proper ventilation to prevent inhalation.

Protective ware: Wear appropriate NIOSH/MSHA-approved respirator, safety goggles, impervious gloves, protective wear, protective boots etc.

Section 9. Physical and chemical properties

Color and Form: Reddish brown~Orange solid
 Chemical formula: BaTaO₂N
 Formula weight: 364.3
 Melting point: No data available
 Specific gravity: No data available
 Solubility in water: Insoluble
 Flammability: Non-combustible substance
 Oxidation: None

Section10. Stability and reactivity

Stability: Stable in closed container.
 Reactivity
 Condition to avoid: No data available
 Incompatibility: No data available
 Hazardous decomposition products.: No data available

Section11. Toxicological information

Acute toxicity(Oral): GHS : Category 4; Harmful if swallowed
 Acute toxicity(Dermal): GHS : Category 4; Harmful if inhaled
 Skin corrosive / irritation: GHS : No data available
 Serious eye damage / irritation: GHS : No data available
 Respiratory sensitization: GHS : No data available
 Skin sensitization: GHS : No data available
 Germ cell mutagenicity: GHS : No data available
 Carcinogenicity: GHS : No data available
 Reproductive toxicity: GHS : No data available
 Specific target organ toxicity
 —single exposure: GHS : No data available
 —repeated exposure: GHS : No data available
 Aspiration hazard: GHS : No data available

Section12. Ecological information

Ecotoxicity:
 Hazardous to the aquatic environment
 —short-term (acute) hazard : GHS : No data available
 —long-term (chronic) hazard : GHS : No data available
 Hazardous to the ozone layer GHS : No data available
 No Freon or Halon
 Fish toxicity: No data available
 Degradability: No data available



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Bioaccumulative potential:	No data available
Mobility in soil:	No data available

Section13. Disposal considerations

Disposal method: User of the product should contract with the local government or licensed 'Industrial Waste Haulers' for disposal of waste.

Section 14. Transport information

UN classification:	Non-hazards
UN number:	None
HS code:	2850.00
Marine pollution:	None
Precautions:	Container should be transported in a secure position, in a well-ventilated vehicle.

Section 15. Regulatory information

TSCA inventory: Not listed.

Please refer to any other local / national measures that may be relevant.

Section 16. Other information

This SDS is for provision of information, and it does not represent a guarantee the properties or safeties of the product.

The information herein is based on the references we could obtained and the present state of our knowledge, however, this SDS does not always cover all information about the product. Some new information or amendments may be added afterwards.

Prior to use, please investigate the laws and regulations of the organization, area and country where the product is to be used. The information is intended to ordinary usage, in case of special handling, sufficient care should be taken.

