



ARBOR
ASSAYS

Material Safety Data Sheet

Revision Date: 120808

Version: 1.1

Date Printed: 120808

Section 1: Product and Company Identification

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|------------------|--|-----------|--|
| Product Name | Phenylbutyrate, Na Salt | | |
| Synonyms | Sodium 4-phenylbutyrate, 4-Phenylbutyric acid sodium salt, SBP, 4-PB, 4PBA, PBNa | | |
| Chemical Formula | C ₁₀ H ₁₁ O ₂ Na | FW=186.18 | CAS No.: 1716-12-7 |
| Catalog Number | P007-1GM | | |
| Company | Arbor Assays, LLC 1514 Eisenhower Place Ann Arbor, MI 48108-3284 USA | | Telephone 734-677-1774 Fax 734-661-1884 |

Section 2: Composition / Ingredient Information

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|-----------------------|---|
| Hazardous Ingredients | May be harmful if ingested, inhaled, or absorbed through the skin. May cause irritation. To the best of our knowledge, the toxicological properties of this compound have not been fully investigated. Exercise appropriate precautions to prevent opportunities for inhalation, and to prevent direct contact with skin and eyes. All uncharacterized chemicals should be treated as suspected toxins. |
|-----------------------|---|

Section 3: Health Hazards

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|-----------------------------|---|
| Acute Health Effects | May be harmful if ingested, inhaled, or absorbed through the skin. May cause irritation. To the best of our knowledge, the toxicological properties of this compound have not been fully investigated. Exercise appropriate precautions to prevent opportunities for inhalation, and to prevent direct contact with skin and eyes. All uncharacterized chemicals should be treated as suspected toxins. |
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Section 4: First Aid Measures

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| Inhalation | Remove from exposure. If breathing is difficult, administer oxygen. If breathing stops, administer artificial respiration. Seek medical attention immediately. Provide chemical label and MSDS if possible. |
| Skin Contact | Wash thoroughly with soap and water. Remove contaminated clothing and shoes. Seek medical attention immediately |
| Eye Contact | Check for and remove contact lenses. Flush eyes with running water for at least 15 minutes separating eyelids. Seek medical attention immediately |
| Ingestion | Remove dentures and clear mouth. If person is conscious, rinse mouth with water. Call physician or poison control immediately. Provide chemical label and MSDS information if possible. |



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Section 5: Fire Fighting Measures

| | |
|---------------------|--|
| Flash Point | Not available |
| Combustion Products | No data available |
| Explosion Limits | Not significant |
| Auto-ignition Temp | N/A |
| Flammability | Not significant |
| Extinguishing Media | Suitable: Water spray, carbon dioxide, dry chemical, or alcohol-resistant foam |
| Firefighting | Protective Equipment: Wear self-contained breathing apparatus if necessary. |

Section 6: Accidental Release Measures

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| Cleanup Procedures | Wear appropriate protective clothing. Cover spillage with suitable absorbent material. Using non-spark tools, sweep up material and place in suitable, closed container for appropriate disposal. Decontaminate spill site with 10% caustic solution. Ensure adequate ventilation. |
| Waste Disposal | Dispose of in accordance with federal, state, and local regulations. |

Section 7: Handling and Storage

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| Handling | Avoid getting this product on you or in you. Always wear appropriate protective clothing. Always wash hands and other exposed areas thoroughly after using this product. Do not eat or drink while using this product. Avoid formation of dust and aerosols. Use in a chemical fume hood with air supplied by an independent system. Ventilate the area. Keep away from sources of ignition. Avoid prolonged or repeated exposure. Qualified and experienced professionals only should handle this product. |
| Storage | Store according to the package insert instructions. |

Section 8: Exposure Controls and Personal Protection

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|----------------------|--|
| Engineering Controls | No special engineering controls are required when working with this product. |
| Protective Equipment | Safety glasses are recommended to prevent eye contact. Chemical resistant gloves, a lab coat, and a mask should be worn to prevent skin contact. |

Section 9: Physical and Chemical Properties

| | |
|---------------------|-------------------|
| Appearance | White powder |
| Odor | Not determined |
| Melting Point | Not determined |
| Flash Point | Not determined |
| Density | Not determined |
| Vapor Pressure | Not determined |
| Solubility in Water | Soluble to 100 mM |
| pH | Not determined |



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Section 10: Stability and Reactivity

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| Stability | This material is stable until the expiration date on the bottle if stored as directed. |
| Conditions to Avoid | None known |
| Incompatibles | Strong acids/alkalis, strong oxidizing/reducing agents |

Section 11: Toxicological Information

Route of Exposure

| | |
|-----------------------------|---|
| Skin Contact | May cause skin irritation. |
| Skin Absorption | May be harmful if absorbed through the skin. |
| Eye Contact | May cause eye irritation. |
| Inhalation | May be harmful if inhaled. May be irritating to respiratory tract. |
| Ingestion | May be harmful if swallowed. |
| <u>Symptoms of Exposure</u> | To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. |

Section 12: Ecological Information

No data is available.

Section 13: Disposal Considerations

Dispose of waste materials, unused components and contaminated packaging in compliance with country, state, district and local regulations. If unsure of the applicable requirements, contact the authorities for information.

Section 14: Transport Information

U.S. and Canadian Transportation; DOT

| | |
|--------------------------|---|
| Proper Shipping Name | Not classified as dangerous per transport regulations |
| UN Identification Number | None assigned |
| Class and Description | None assigned |
| Packing Group | N/A |
| Hazard Label | Non-Hazardous for Transport |

International Air Transportation (IATA)

| | |
|--------------------------|---|
| Proper Shipping Name | Not classified as dangerous per transport regulations |
| UN Identification Number | None assigned |
| Class and Description | None assigned |
| Packing Group | N/A |
| Hazard Label | Non-Hazardous for Air Transport |



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Section 15: Regulatory Information

Product related information

The product is not subject to classification according to the sources of literature known to us.

Observe general safety regulations when handling chemicals.

Safety Statements

Avoid release to the environment.

Risk Statements

Harmful if swallowed. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

U.S. Regulatory Information

Sara Listed: No, none of the material contained in this product is subject to SARA 313 Reporting requirements.

Section 16: Other Information

Disclaimer: For Research Use Only. Not for diagnostic, therapeutic, or other uses.

Further Information: The information contained in this document is accurate to the best of our knowledge and is provided in good faith. This document is intended only as a guide for the appropriate precautionary handling of the material by properly trained personnel using this product. Final determination or suitability of any material is the sole responsibility of the user. Arbor Assays LLC shall not be held liable for any damage resulting from use or handling of this product.