



ARBOR
ASSAYS

Material Safety Data Sheet

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Section 1: Product and Company Identification

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	Telephone	734-677-1774
	Ann Arbor, MI 48108-3284	Fax	734-661-1884
	USA		

Section 2: Composition / Ingredient Information

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

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.

Section 4: First Aid Measures

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

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

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

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

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.

Symptoms of Exposure 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.