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**Rev.** 03

**SDS PN:** 100-301-100

<b>1. PRODUCT AND COMPANY IDENTIFICATION</b>	
<b>1.1 Product Identifier</b>	
Product Name	AMPure® PB
Product Number(s)	100-265-900
Other means of identification	This product is a bag containing 1 reagent tube
<b>1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against</b>	
Identified Use	For use with the Pacific Biosciences PacBio RSII.
Restrictions on Use	FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
<b>1.3 Details of the Supplier of the Substance or Mixture</b>	
Supplier Name and Address	Pacific Biosciences 1380 Willow Road Menlo Park, CA 94025 U.S.A www.pacificbiosciences.com
Supplier phone	+1 650-521-8000
<b>1.4 Emergency Telephone Number</b>	
Within USA & Canada	Call CHEMTREC 1-800-424-9300 (reference CCN# 656805)
Outside USA and Canada	techsupport@pacificbiosciences.com
<b>2. HAZARD(S) IDENTIFICATION</b>	
<b>2.1 Classification of the substance or mixture</b>	
Not a hazardous substance or mixture. <sup>1</sup>	
<b>2.2 GHS Label Elements and precautionary statements</b>	
Not a hazardous substance or mixture.	
<b>2.3 Hazards not otherwise classified (HNOC) or not covered by GHS</b>	
None	
<b>3. COMPOSITION / INFORMATION ON INGREDIENTS</b>	
<b>3.1 Substances</b>	
Common Name and Synonyms	AMPure® PB
CAS Number	None
Other unique identifiers	None
<b>3.2 Hazardous components</b>	
No ingredients are hazardous according to OSHA or GHS criteria.	
<b>4. FIRST AID MEASURES</b>	
<b>4.1 Description of First Aid Measures</b>	
General advice	Consult a physician. Show this safety data sheet to the physician.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration
In case of skin contact	Wash off with water.
In case of eye contact	Flush eyes with water.
If swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water.
<b>4.2 Most important symptoms/effects, both acute and delayed</b>	
No data available. Refer to section 2.2 and section 11 for additional information.	
<b>4.2 Indication of any immediate medical attention and special treatment needed</b>	
No specific medical attention or treatment required	

<sup>1</sup> Classification in accordance with 29CFR1910 (OSHA HCS) and UN Globally Harmonized system of classification and labelling of chemicals

<b>5.</b>	<b>FIRE-FIGHTING MEASURES</b>	
<b>5.1</b>	<b>Suitable Extinguishing Media</b>	
	Dry chemical, carbon dioxide, foam or water.	
<b>5.2</b>	<b>Special hazards arising from the substance or mixture</b>	
	Combustion will produce oxides of carbon, nitrogen and sulfur.	
<b>5.3</b>	<b>Advice for firefighters (special protective equipment or precautions)</b>	
	Wear self-contained breathing apparatus for fire-fighting as necessary.	
<b>6.</b>	<b>ACCIDENTAL RELEASE MEASURES</b>	
<b>6.1</b>	<b>Personal precautions, protective equipment and emergency procedures</b>	
	No special precautions are necessary. For personal protection see section 8.0.	
<b>6.2</b>	<b>Environmental precautions</b>	
	Contain spill to prevent migration. Avoid release to the environment. Report spills and releases as required to appropriate authorities.	
<b>6.3</b>	<b>Methods and materials for cleanup</b>	
	Wear personal protective equipment, wipe up with paper towel (or similar), and contain in closed containers.	
<b>6.4</b>	<b>Reference to other sections</b>	
	For disposal see section 13.	
<b>7.</b>	<b>HANDLING AND STORAGE</b>	
<b>7.1</b>	<b>Precautions for safe handling</b>	
	No special precautions are necessary. Use good laboratory procedures and practices.	
<b>7.2</b>	<b>Conditions for safe storage, including any incompatibilities</b>	
	Keep containers tightly closed at the recommended storage temperature.	
<b>8.</b>	<b>EXPOSURE CONTROLS / PERSONAL PROTECTION</b>	
<b>8.1</b>	<b>Control Parameters</b>	
	Contains no substances with occupational exposure limit values.	
<b>8.2</b>	<b>Exposure Controls</b>	
	<b>Appropriate engineering controls:</b>	
	General industrial hygiene practice. No special ventilation required for normal use	
	<b>Personal Protective Equipment (PPE):</b>	
	Eye/Face Protection	Safety glasses
	Skin and Body Protection	Latex or nitrile gloves; lab coat /apron
	Respiratory Protection	None required
<b>9.</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>	
<b>9.1</b>	<b>Information on basic physical and chemical properties</b>	
	Appearance	Clear liquid with brown precipitate
	Odor	No odor
	Odor Threshold	Not applicable
	pH	8.0-8.4
	Melting point/freezing point	Not determined
	Initial boiling point and boiling range	Not determined
	Flash point	Not determined
	Evaporation rate	Not determined
	Flammability (solid, gas)	Not applicable
	Upper/lower flammability or explosive limit	Not determined
	Vapor pressure	Not determined
	Relative density	1.127
	Solubility(ies)	Miscible in water. Not determined for organics.
	Partition coefficient: n-octanol/water	Not determined
	Auto-ignition temperature	Not applicable

Decomposition temperature	Not determined
Viscosity	Not determined
<b>10. STABILITY AND REACTIVITY</b>	
Reactivity	This product is not reactive under normal conditions of storage and use.
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None
Conditions to Avoid	Avoid contact with incompatible materials
Incompatible Materials	Strong acids, strong bases, strong oxidizers, metals and metallic compounds. Sodium azide form explosive compounds with heavy metals. This product contains concentrations of azide <0.1% (w/w) which with repeated contact with lead and copper commonly found in plumbing drains may results in the buildup of shock sensitive compounds
Hazardous Decomposition Products	No decomposition products posing significant hazards would be expected from the product (an aqueous solution)
<b>11. TOXICOLOGICAL INFORMATION</b>	
<b>11.1 Information on likely routes of exposure</b>	
The most likely route of exposure is via skin or eye contact. Exposure via inhalation or ingestion is less likely.	
<b>11.2 Symptoms related to the physical, chemical and toxicological characteristics</b>	
No data available	
<b>11.3 Delayed and immediate effects and also chronic effects from short and long-term exposure</b>	
Eyes	None identified
Skin	None identified
Inhalation	None identified
Ingestion	None identified
Chronic Effects	None identified
Aggravated Medical Conditions	None identified
Interactions with other Chemicals	No data available
<b>11.4 Numerical measures of toxicity</b>	
Acute toxicity	No data available
Skin corrosion/irritation	None identified
Serious eye damage/irritation	None identified
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	None identified
Reproductive toxicity	None identified
Specific target organ toxicity	No data available
<b>11.5 Carcinogenicity</b>	
No ingredients in this product are listed as carcinogens by ACGIH, IARC, NTP, OSHA or 67/545/EE Annex I	
<b>12. ECOLOGICAL INFORMATION</b>	
Ecotoxicity	No data available
Persistence and Degradability	No data available
Bioaccumulative Potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB Assessment	None Required
Other adverse effects	None
<b>13. DISPOSAL CONSIDERATIONS</b>	
Dispose all waste in accordance with local, regional and national regulations.	
Product	See above
Contaminated Packaging	See above
US EPA Waste Number	No EPA ID number. Not regulated as a US federal hazardous waste. Not regulated under Title 22 as a California hazardous waste.

<b>14. TRANSPORT INFORMATION</b>	
Transportation of this product is not regulated under ICAO, IMDG, US DOT, European ADR or Canadian TDG.	
<b>15. REGULATORY INFORMATION</b>	
<b>15.1 USA Federal Regulations</b>	
SARA 302	The product contains Sodium Azide in concentrations <0.1%. Sodium azide is subject to reporting requirements of SARA Title III, Section 302
SARA 313	The product contains Sodium Azide in concentrations <0.1%. Sodium azide is subject to reporting requirements of SARA Title III, Section 313
SARA 311/312	No SARA hazards
TSCA	Research use only
<b>15.2 USA State Regulations</b>	
CA Prop 65	This product does not contain any chemicals known to the State of California to cause cancer or adverse reproductive health effects
<b>16. OTHER INFORMATION</b>	
Prepared By	Pacific Biosciences Environment, Health and Safety 1380 Willow Road Menlo Park, CA 94025 U.S.A. safety@pacificbiosciences.com
Further Information	The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. It is not a warranty or quality specification. This information relates only to the specific material designated and may not be valid for use in combination with any other material or in any other process.