

## **SAFETY DATA SHEET**

Issuing Date: 11Nov13 Revision Date: 07May19 Rev. 04 SDS PN: 100-301-100

1.	PRODUCT AND COMPANY IDENTIFICATION							
1.1	Product Identifier							
		Product N	Name	AMP	ure <sup>®</sup> PB			
		Product Numb	er(s)	100-2	265-900			
		Other means of identific	ation	This	product is a bag containing 1 reagent rube			
1.2	Relevant Identified Uses of the Substance or Mixture and Uses Advised Against							
				For u	se with the Pacific Biosciences® PacBio® RSII and Sequ	uel® systems.		
		Restrictions or	n Use		RESEARCH USE ONLY. NOT FOR USE IN DIAGNOS CEDURES.	TIC		
1.3	Details of the Supplier of the Substance or Mixture							
		Supplier Name and Ad	dress	1305 Menle U.S.	ic Biosciences of California, Inc. O'Brien Drive o Park, CA 94025 A pacificbiosciences.com			
		Supplier p	hone	+1 65	50-521-8000			
1.4	Eme	ergency Telephone Num	ber					
		Within USA & Ca	nada	Call (	CHEMTREC 1-800-424-9300 (reference CCN# 656805)			
		Outside USA and Ca	nada	techs	upport@pacb.com			
2.	HAZARD(S) IDENTIFICATION							
2.1	Clas	ssification of the substa	nce or	mixtu	re			
	Not	a hazardous substance of	r mixtu	re.1				
2.2	GHS Label Elements and precautionary statements							
	Not a hazardous substance or mixture.							
2.3	Haz	ards not otherwise class	sified (	HNOC	) or not covered by GHS			
	Non	ne						
3.	CO	MPOSITION / INFORM	ATIO	N ON	INGREDIENTS			
3.1	Sub	Substances						
	(	Common Name and Syno	nyms	AMPure® PB				
		CAS Nu	mber	None				
	Other unique identifiers			None				
3.2	Haz	ardous components						
	The product contains the following hazardous ingredient. At the given concentration, this ingredient is not considered hazardous to health.							
Product	<u> </u>	Hazardous Ingredient(s)	CAS		GHS Classification	Concentration (wt%)		
AMPure	РВ	Sodium Azide	26628	-22-8	Acute Toxicity, Oral (Category 2); Acute Toxicity, Dermal (Category 1); Specific target organ toxicity – repeated exposure, Oral (Category 2), Brain; Acute Aquatic Toxicity (Category 1); Chronic Aquatic Toxicity (Category 1)	< 0.1 %		
4.	FIRST AID MEASURES							
4.1	Des	Description of First Aid Measures						
		General advice Cons	ult a pl	hysicia	n. Show this safety data sheet to the physician.			

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

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	If inhaled		in, move person into fresh air. If not breathing, give artificial respiration				
	In case of skin contact						
	In case of eye contact						
	If swallowed		anything by mouth to an unconscious person. Rinse mouth with water.				
4.2			, both acute and delayed				
	No data available. Refer to section 2.2 and section 11 for additional information.						
4.2			cal attention and special treatment needed				
_	No specific medical attention or treatment required						
5.	FIRE-FIGHTING MEASURES						
5.1	Suitable Extinguishin						
	Dry chemical, carbon d						
5.2	Special hazards arisir	ng from the s	substance or mixture				
	No data available.						
5.3			otective equipment or precautions)				
	Wear self-contained bro	eathing appar	ratus for fire-fighting as necessary.				
6.	ACCIDENTAL RELEASE MEASURES						
6.1	Personal precautions, protective equipment and emergency procedures						
	No special precautions are necessary. For personal protection see section 8.0.						
6.2	.2 Environmental precautions  Avoid release to the environment. Report spills and releases as required to appropriate authorities.						
6.3	Methods and material	s for cleanu	р				
	Wear personal protective	ve equipment	t, wipe up with paper towel (or similar), and contain in closed containers.				
6.4	Reference to other se	ctions					
	For disposal see sectio	n 13.					
7.	HANDLING AND ST	ORAGE					
7.1	Precautions for safe h	Precautions for safe handling					
	Utilize standard good la	ab practices.	Use in a well-ventilated area and wear standard PPE.				
7.2	Conditions for safe st	orage, inclu	ding any incompatibilities				
	Keep containers tightly	closed at the	recommended storage temperature.				
8.	EXPOSURE CONTR	OLS / PER	SONAL PROTECTION				
8.1	Control Parameters						
	Contains no substance	Contains no substances with occupational exposure limit values.					
8.2	Exposure Controls						
	Appropriate engineer	Appropriate engineering controls:					
	General industrial hygiene practice. No special ventilation required for normal use						
	Personal Protective E	quipment (P	PE):				
	Eye/Fac	e Protection	Safety glasses				
	Skin and Bod	y Protection	Latex or nitrile gloves; lab coat /apron				
	Respirator	y Protection	None required				
9.	PHYSICAL AND CH	PHYSICAL AND CHEMICAL PROPERTIES					
9.1	Information on basic	physical and	chemical properties				
		Appearance	Brown beads suspended in clear liquid. Beads may settle to bottom of bottle.				
		Odor	No odor				
	Odo	r Threshold	Not applicable				
		рН	8.0-8.4				
	Melting point/fro	eezing point	Not determined				
	Initial boiling point and b	oiling range	Not determined				

	FI 1	N. I.		
	Flash point	Not determined		
	Evaporation rate	Not determined		
<u> </u>	Flammability (solid, gas)	Not applicable		
Upp	er/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-octonal/water	Not determined		
	Auto-ignition temperature	Not applicable		
	Decomposition temperature	Not determined		
	Viscosity	Not determined		
10.	STABILITY AND REACTIVITY			
	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)		
11.	TOXICOLOGICAL INFORMATION			
11.1	Information on likely routes of exp	oosure		
	The most likely route of exposure is	via skin or eye contact. Exposure via inhalation or ingestion is less likely.		
11.2 Symptoms related to the physical, chemical and toxicological characteristics  No data available		, chemical and toxicological characteristics		
11.3	Delayed and immediate effects an	d also chronic effects from short and long-term exposure		
	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		
11.4	Numerical measures of toxicity			
	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		
11.5	Carcinogenicity			
		ted as carcinogens by ACGIH, IARC, NTP, OSHA or 67/545/EE Annex I		
12.	ECOLOGICAL INFORMATION			
	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			
13.	DISPOSA	DISPOSAL CONSIDERATIONS				
	Dispose all	waste in accordance with	local, regional and national regulations.			
		Product	See above			
	С	ontaminated 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.			
14.	TRANSPO	ORT INFORMATION				
	Transportat	tion of this product is not	regulated under ICAO, IMDG, US DOT, European ADR or Canadian TDG.			
15.	REGULAT	<b>FORY INFORMATION</b>				
15.1	USA Feder	ral Regulations				
	SARA 302	The product contains Se requirements of SARA	odium Azide in concentrations <0.1%. Sodium azide is subject to reporting Title III, Section 302			
SARA 313 The product contains Socrequirements of SARA Ti			odium Azide in concentrations <0.1%. Sodium azide is subject to reporting Title III, Section 313			
S	ARA 311/312	No SARA hazards				
	TSCA	Research use only				
15.2	USA State	Regulations				
	CA Prop 65	This product does not c adverse reproductive he	ontain any chemicals known to the State of California to cause cancer or ealth effects			
16. C	THER INFO	RMATION				
Prepared By Pacific Biosciences of Control Environment, Health and 1305 O'Brien Drive Menlo Park, CA 94025 U.S.A. safety@pacb.com			d Safety			
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