

SDS

I. Identification:

Product name: BB-Mini Plasmid Isolation Kit
Product Catalogue Number: BB-PIK50
CAS number: None
Manufacturer/Supplier: NextGen Bioproducts;
 6076 Corte Del Cedro, Carlsbad, CA 92011.
Phone: 1(858) 224-2093
Emergency phone: 1(858) 224-2093. M-F, 9AM-5PM.

II. Composition/Information on Ingredients:

This product is mixture of hazardous substances listed below with non-hazardous additions.

Chemical Name	CAS	EC No	Conc.	Classification
Lysis Buffer				
Sodium hydroxide Solution	1310-73-2	2115-185-5	0.5-2%	H290, H315, H319, R36/38
Neutralization Buffer				
Guanidine Hydrochloride	50-01-1	200-002-3	36-50%	H302, H319, R22-36
Wash Buffer I				
Guanidine hydrochloride	50-01-1	200-002-3	36*50%	H302, H319, R22-36
RNase A (lyophilized)				
RNase	9001-99-4	232-646-6	90-100%	H317, H334, R42/43

H290-May be corrosive to metals, H315- Cause skin irritation, H319- Cause serious eye irritation, H302-Harmful if swallowed, H317- Cause skin sensation, H334- Cause respiratory sensation

III. Hazard Identification:

Product Name
 Resuspension Buffer: Non hazardous
 Lysis Buffer: Non hazardous
 Neutralization Buffer: **R36-** Irritating to eyes
 Wash Buffer 1: **R36-** Irritating to eyes
 Wash Buffer 2: Non hazardous
 RNase A: Harmful; **R42/43-**May cause sensation by inhalation and skin contact

IV. First Aid Measures:

Eye contact: Rinse eyes with running water with eyelids open. Tilt the head to prevent chemical transferring to uncontaminated eye.
Skin contact: Wash off the affected area with water. Use soap if possible.
If swallowed: Drink lots of water after ingestion. Get medical attention if the amount swallowed is

If Inhaled: Remove from further exposure. If breath in is difficult get medical attention

Fire Fighting Measures:

Flash Point: Data not available.
Autoignition Temperature: Data not available
Fire Extinguisher: All extinguishers can be used, including fire blankets.
Firefighting: Wear protective clothing and self-contained breathing apparatus to prevent contact with skin and eyes.

V. Accidental Release Measures:

Absorb liquid with an absorbent. Transfer contaminated absorbent to a close chemical waste container for disposal. Ventilate area well after clean up procedures have taken place.

VI. Handling and Storage:

In accordance with the instructions that come with the product. Use good laboratory handling procedures. Avoid direct inhalation and contact with eyes and skin.

VII. Exposure Controls / Personal:

Engineering Controls: Maintain adequate ventilation, eye wash, quick drench facilities in working area
Personal Protective: Equipment: lab coat, chemical resistant gloves, goggles.
Occupational Exposure Limits: Data not available

VIII. Physical and Chemical Properties:

Resuspension Buffer
Physical State: Colourless liquid
Odour: Odourless
pH: 7.5-8.5
Flash Point: Data not available
Water Solubility: Data not available
Lysis Buffer
Physical State: Colourless liquid
Odour: Odourless
pH: >12
Flash Point: Data not available
Water Solubility: Data not available
Neutralization Buffer
Physical State: Colourless liquid
Odour: Acetic
pH: 4-4.5
Flash Point: Data not available

<p>Water Solubility: Data not available</p> <p>Wash Buffer I</p> <p>Physical State: Colourless liquid</p> <p>Odour: Odourless</p> <p>pH: 7-8</p> <p>Flash Point: Data not available</p> <p>Water Solubility: Data not available</p> <p>Wash Buffer II</p> <p>Physical State: Colourless liquid</p> <p>Odour: Odourless</p> <p>pH: 8-9</p> <p>Flash Point: Data not available</p> <p>Water Solubility: Data not available</p> <p>Elution Buffer</p> <p>Physical State: Colourless liquid</p> <p>Odour: Alcoholic</p> <p>pH: 7-8</p> <p>Flash Point: 25°C</p> <p>Water Solubility: Data not available</p> <p>RNase A.</p> <p>Physical State: Colourless liquid</p> <p>Odour: Odourless</p> <p>pH: 7-8</p> <p>Flash Point: Data not available</p> <p>Water Solubility: 0-100%</p>	<p>IX. Stability and Reactivity:</p> <p>Stability: Stable</p> <p>Reactivity: Can form reactive substances with oxidizing agents</p> <p>X. Toxicological Information:</p> <p>Information on toxicological effects</p> <p>Acute toxicity</p> <p>Skin corrosion/irritation</p> <p>Serious eye damage/eye irritation</p> <p>Respiratory or skin sensitisation</p> <p>Germ cell mutagenicity</p> <p>Carcinogenicity</p> <p>Reproductive toxicity</p> <p>Specific target organ toxicity- single exposure</p> <p>Specific target organ toxicity- repeated exposure</p> <p>Aspiration hazard</p>	<p>XI. Ecological Information:</p> <p>Toxicity</p> <p>Persistence and degradability</p> <p>Bio-accumulative potential</p> <p>Mobility in soil</p> <p>Results of PBT and vPvB assessment</p> <p>PBT/vPvB assessment not available as chemical safety assessment not required/not conducted</p> <p>XII. Disposal Consideration:</p> <p>Burn in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus solution to a licensed disposal company.</p> <p>XIII. Transport Information:</p> <p>IATA: The substance is considered non-hazardous for air transport.</p> <p>D.O.T: The substance is considered non-hazardous for transport.</p> <p>XV. Regulatory Information:</p> <p>Safety, health and environmental regulations/legislations specific for the substance or mixture</p> <p>National legislation</p> <p>Storage class 8A</p> <p>The data applies to the entire pack.</p> <p>Chemical Safety Assessment: Not Applicable</p> <p>XVI. Other Information:</p> <p>Full text of H-Statements referred to under section II and III</p> <p>H226 Flammable liquid and vapour</p> <p>H290 May be corrosive to metals</p> <p>H314 Causes severe skin burns and eye damage</p> <p>H315 Causes skin irritation</p> <p>H319 Causes serious eye irritation</p> <p>The above information is believed to be correct but does not intend to be all inclusive and shall be used only as a guideline for experiences personnel. BioBharati LifeScience Pvt. Ltd, shall not be liable for any damage resulting from the handling of or from contact with the above product. The safe use of this material entirely dependent upon the user.</p>
---	--	--