

**I. Identification:**

**Product name:** BB-Gel Extraction & PCR Clean up Kit

**Product Catalogue Number:** BB-GPK50

**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
Binding Buffer				
Guanidine Hydrochloride	50-01-1	200-002-3	36-50%	H302, H319, R22-36
Wash Buffer				
Guanidine hydrochloride	50-01-1	200-002-3	36*50%	H302, H319, R22-36

H319- Cause serious eye irritation, H302- Harmful if swallowed, H317- Cause skin sensation, H334- Cause respiratory sensation

**III. Hazard Identification:**

**Product Name**

Binding Buffer: **R36-** Irritating to eyes

Wash Buffer: **R36-** Irritating to eyes

**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 large.

**V. 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.

**VI. 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.

**VII. 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.

**VIII. 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.

**IX. Physical and Chemical Properties:**

**Binding Buffer**

**Physical State:** Colourless liquid  
**Odour:** Acetic  
**pH:** 4-4.5  
**Flash Point:** Data not available  
**Water Solubility:** Data not available

**Wash Buffer**

**Physical State:** Colourless liquid  
**Odour:** Odourless  
**pH:** 7-8  
**Flash Point:** Data not available  
**Water Solubility:** Data not available

**Elution Buffer**

**Physical State:** Colourless liquid  
**Odour:** Alcoholic  
**pH:** 7-8  
**Flash Point:** 25°C  
**Water Solubility:** Data not available

**X. Stability and Reactivity:**

**Stability:** Stable  
**Reactivity:** Can form reactive substances with oxidizing agents

- XI. Toxicological Information:**  
**Information on toxicological effects**  
Acute toxicity  
Skin corrosion/irritation  
Serious eye damage/eye irritation  
Respiratory or skin sensitisation  
Germ cell mutagenicity
- Carcinogenicity**  
Reproductive toxicity
- Specific target organ toxicity- single exposure  
Specific target organ toxicity- repeated exposure  
Aspiration hazard
- XII. Ecological Information:**  
Toxicity  
Persistence and degradability  
Bio accumulative potential  
Mobility in soil  
Results of PBT and vPvB assessment  
PBT/vPvB assessment not available as chemical  
safety assessment not required/not conducted
- XIII. Disposal Consideration:**  
Burn in a chemical incinerator equipped with an  
afterburner and scrubber. Offer surplus solution to  
a licensed disposal company.
- XIV. Transport Information:**  
**IATA:** The substance is considered non-hazardous  
for air transport.  
**D.O.T.** The substance is considered non-hazardous  
for transport
- XV. Regulatory Information:**  
**Safety, health and environmental  
regulations/legislations specific for the  
substance or mixture**  
National legislation  
Storage class 8A  
The data applies to the entire pack.
- Chemical Safety Assessment:** Not Applicable
- XVI. Other Information:**  
Full text of H-Statements referred to under section  
II and III  
H319 Causes serious eye irritation

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.