

## MATERIAL SAFETY DATA SHEET

### Section 1: Identification of the Product and of the Company/ Undertaking

#### 1.1 Identification of the Product

Product Name: Bicarbonate Buffer 0.2M, pH 9.6

Product Code : AR1010

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : PBS Solution for Research use only.

**For research use only. Not intended for human or animal diagnostic or therapeutic uses.**

#### 1.3 Company/ Undertaking Identification

Company Name : Denovo Biolabs Private Limited  
 A-112, G. F, KSSIDC Block-3,  
 Electronic city Phase 1,  
 560100 BANGALORE, INDIA

Telephone No. : +91 80 29575711

Emergency No. : +91 80 29575711

### Section 2: Hazards identification

#### 2.1 GHS Classification

**Signal Word:** Not Hazardous

**Health Hazard:** Not Hazardous

**Physical Hazards:** Not Hazardous

#### 2.2 Principle Routes of Exposure/ Potential Health effects

**Eyes** May cause eye irritation in susceptible persons.

**Skin** May cause skin irritation in susceptible persons.

**Inhalation** May be harmful by inhalation.

**Ingestion** May be harmful if swallowed.

#### 2.3 Specific effects

**Carcinogenic Effects** : None

**Mutagenic Effects** : None

**Reproductive Toxicity** : None

**Sensitization** : None

**Target Organ Effects** : No known effects under normal use conditions.

#### HMIS

Health	0
Flammability	0
Reactivity	0

### Section 3: Composition or Information on Ingredients

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

### Section 4: First Aid Measures

**Skin contact:** Rinse with plenty of water. If symptoms arise, call a physician.

**Eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

**Ingestion:** Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice.

**Inhalation:** Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.

**Notes to physician** Treat symptomatically.

## Section 5: Fire-Fighting Measures

**Suitable Extinguishing Media:** Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.

**Special protective equipment for firefighters:** Wear self-contained breathing apparatus and protective suit.

## Section 6: Accidental release measures

**Personal precautions** : Use personal protective equipment.

**Methods for cleaning up** : Take up mechanically and collect in suitable container for disposal.

**Environmental precautions:** Prevent further leakage or spillage if safe to do so.  
See Section 12 for additional information.

## Section 7: Handling and Storage

**Handling:** Always wear recommended Personal Protective Equipment. No special handling advice required.

**Storage:** Keep in a dry, cool and well-ventilated place.

## Section 8: Exposure controls/personal protection

**Exposure limits:** We are not aware of any national exposure limit.

**Engineering measures:** Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment:** Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

**Respiratory protection:** In case of insufficient ventilation wear suitable respiratory equipment.

**Hand Protection:** Impervious gloves.

**Eye protection:** Safety eye-glasses with side-shields.

**Skin and body protection:** Lightweight protective clothing.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.

**Environmental exposure controls:** Prevent product from entering drains.

## Section 9: Physical and chemical properties

### General Information

<b>Form:</b>	Liquid
<b>Appearance:</b>	No information available
<b>Odor:</b>	No information available
<b>Boiling Point/Range:</b>	°C no data available °F no data available
<b>Melting point/Range:</b>	°C no data available °F no data available
<b>Flash point:</b>	°C no data available °F no data available
<b>Autoignition temperature:</b>	°C no data available °F no data available
<b>Oxidizing properties:</b>	No information available.
<b>Water solubility:</b>	No data available

## Section 10: Stability and reactivity

**Stability:** Stable under normal conditions.

**Materials to avoid:** No dangerous reaction known under conditions of normal use.

**Hazardous decomposition Products:** None under normal use

**Polymerization:** Hazardous polymerization does not occur.

## Section 11: Toxicological information

**Acute toxicity:** Not hazardous

**Principle Routes of Exposure/ Potential Health effects:**

<b>Eyes:</b>	May cause eye irritation with susceptible persons.
<b>Skin:</b>	None.
<b>Inhalation:</b>	None.
<b>Ingestion:</b>	May be harmful if swallowed.
<b>Carcinogenic Effects:</b>	None
<b>Mutagenic Effects:</b>	None
<b>Reproductive toxicity:</b>	None
<b>Sensitization:</b>	None
<b>Target Organ Effects:</b>	No known effects under normal use conditions.

## Section 12: Ecological information

<b>Ecotoxicity Effects:</b>	No information available.
<b>Mobility:</b>	No information available.
<b>Biodegradation:</b>	No information available.
<b>Bioaccumulation:</b>	No information available.

## Section 13: Disposal considerations

Dispose of in accordance with local regulations.

## Section 14: Transport information

### IATA

<b>Proper shipping name:</b>	Not classified as dangerous in the meaning of transport regulations
<b>Hazard class:</b>	None
<b>Subsidiary Class:</b>	None
<b>Packing group:</b>	None
<b>UN-No:</b>	None

## Section 15: Regulatory information

**SARA 313:** This product is not regulated by SARA.

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61):** This product does not contain HAPs.

### U.S. State Regulations:

**California Proposition 65:** This product does not contain chemicals listed under Proposition 65.

**WHMIS Hazard Class:** Non-controlled

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

## Section 16: Other information

**For research use only. Not intended for human or animal diagnostic or therapeutic uses.**

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution.

Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.

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End of Safety Data Sheet