



Date Prepared: 03/05/2019

Reviewed On: 06/05/2019

SDS No. **M221113 (A)**

## 1 Product And Company Identification

### 1.1 Product Identification

- (1) Product Name: KaiBiLiTM Extended PBS, phosphate buffer saline
- (2) Catalog Number: M221113 、M221114 、M221115 、M221116
- (3) Laboratory chemicals, Synthesis of substances.

### 1.2 Details of the supplier of the safety data sheet

- (1) Manufacturer/Supplier : Hangzhou GENESIS Biodetection and Biocontrol CO., LTD.
- (2) Address : No.139.,Str.10th(East),Hangzhou Economic & Technology Development Zone, Zhejiang, China
- (3) Telephone : (86)571-86736901
- (4) e-mail : Tech\_services@hgb.com.cn
- (5) Emergency telephone number : (86)571-86736901

## 2 Hazard(s) identification

### 2.1 Classification of the substance or mixture:

*Not a hazardous substance or mixture.*

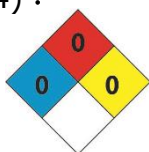
### 2.2 Label elements:

- (1) GHS label elements : *Void*
- (2) Hazard pictograms : *Void*
- (3) Signal word : *Void*
- (4) Hazard statements : *Void*
- (5) NFPA ratings(scale 0-4) :

*Health = 0*

*Flammability = 0*

*Reactivity = 0*



- (6) HMIS ratings (scale 0-4)

*Health = 0*

*Flammability = 0*

*Reactivity = 0*

HEALTH	0
FIRE	0
REACTIVITY	0



### 3 Composition/information on ingredients

*No components need to be disclosed according to the applicable regulations.*

### 4 First-aid measures

- 4.1 General information** : *No special measures required.*
- 4.2 After inhalation** : *If breathed in, move person into fresh air. If not breathing, give artificial respiration.*
- 4.3 After skin contact** : *Wash off with soap and plenty of water.*
- 4.4 After eye contact** : *Flush eyes with water as a precaution.*
- 4.5 After swallowing** : *Never give anything by mouth to an unconscious person. Rinse mouth with water.*
- 4.6 Information for doctor** : *Show this product label or this SDS.*
- 4.7 Most important symptoms and effects, both acute and delayed** : *The most important known symptoms and effects are described in the labelling.*
- 4.8 Indication of any immediate medical attention and special treatment needed** : *No further relevant information available.*

### 5 Fire-fighting measures

- 5.1 Suitable extinguishing agents** : *Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.*
- 5.2 Special hazards arising from the substance or mixture** : *Oxides of phosphorus, Hydrogen chloride gas, Potassium oxides, Sodium oxides.*
- 5.3 Advice for firefighters,**  
*Wear self-contained breathing apparatus for firefighting if necessary.*

### 6 Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures** : *Not required.*
- 6.2 Environmental precautions** : *Wipe up with damp sponge or mop.*
- 6.3 Methods and material for containment and cleaning up** : *No special measures required.*
- 6.4 Reference to other sections** : *No dangerous substances are released.*

### 7 Handling and storage

#### 7.1 Handling

- (1) Precautions for safe handling** : *No special measures required.*
- (2) Information about protection against explosions and fires** : *No special measures required.*

#### 7.2 Storage

- (1) Requirements to be met by storerooms and receptacles** : *No special requirements.*



**(2) Further information about storage conditions :** *Store in cool, dry conditions in well-sealed containers.*

**(3) Specific end use(s) :** *No further relevant information available.*

## 8 Exposure controls/personal protection

### 8.1 Control parameters

**(1) Components with limit values that require monitoring at the workplace :** *The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.*

### 8.2 Personal Protective Equipment

**(1) General protective and hygienic measures :**

*Keep away from foodstuffs, beverages and feed.*

*Immediately remove all soiled and contaminated clothing.*

*Wash hands before breaks and at the end of work.*

*Avoid contact with the eyes and skin.*

**(2) Breathing equipment :** *Not required.*

**(3) Protection of hands :** *Chemical resistant gloves (i.e. nitrile, or equivalent).*

**(4) Eye protection :** *Safety glasses.*



**(5) Body protection :** *Protective work clothing (lab coat).*

## 9 Physical and chemical properties

### 9.1 General Information

**(1) Appearance :**

➤ **Form:** *Liquid.*

**(2) Odor :** *No data available*

**(3) Odor threshold :** *No data available.*

**(4) pH-value :** *7.4±0.2*

### 9.2 Change in condition

**(1) Melting point/Melting range :** *No data available.*

**(2) Boiling point/Boiling range :** *No data available*

**(3) Flash point :** *Not applicable.*

**(4) Flammability (solid, gaseous) :** *No data available.*

### 9.3 Ignition temperature

**(1) Decomposition temperature :** *Not determined.*

**(2) Auto igniting :** *Product is not self-igniting.*

**(3) Danger of explosion :** *Product does not present an explosion hazard.*

**9.4 Explosion limits**

(1) **Lower** : *Not determined.*

(2) **Upper** : *Not determined.*

**9.5 Density** : *Not determined.*

**9.6 Evaporation rate** : *Not applicable.*

**9.7 Solubility in / Miscibility with water** : *Soluble.*

**9.8 Partition coefficient (n-octanol/water)** : *Not determined.*

**9.9 Viscosity**

(1) **dynamic** : *Not applicable.*

(2) **kinematic** : *Not applicable.*

**9.10 Other information** **No further relevant information available.**

**10 Stability and reactivity**

**10.1 Reactivity** : *No further relevant information available.*

**10.2 Chemical stability**

(1) **Thermal decomposition / conditions to be avoided** : *No decomposition if used according to specifications.*

(2) **Possibility of hazardous reactions** : *No dangerous reactions known*

(3) **Conditions to avoid** : *No further relevant information available.*

(4) **Incompatible materials** : *No further relevant information available.*

(5) **Hazardous decomposition products** : *No dangerous decomposition products known.*

**11 Toxicological information****11.1 Acute toxicity****(1) Primary irritant effect**

- **on the skin** : *No irritating effect.*
- **on the eye** : *No irritating effect.*
- **Sensitization** : *No sensitizing effects known.*

**(2) Additional toxicological information:**

*The product is not subject to OSHA classification according to internally approved calculation methods for preparations.*

*When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.*

**11.2 Carcinogenic categories**

(1) **IARC (International Agency for Research on Cancer)** : *None of the ingredients is listed.*

(2) **NTP (National Toxicology Program)** : *None of the ingredients is listed.*



**(3) OSHA-Ca (Occupational Safety & Health Administration) :** *None of the ingredients is listed.*

## 12 Ecological information

### 12.1 Toxicity

**(1) Aquatic toxicity :** *No further relevant information available.*

**(2) Persistence and degradability :** *No further relevant information available.*

### 12.2 Behavior in environmental systems

**(1) Bioaccumulative potential :** *No further relevant information available.*

**(2) Mobility in soil :** *No further relevant information available.*

### 12.3 Results of PBT and vPvB assessment

**(1) PBT :** *Not applicable.*

**(2) vPvB :** *Not applicable.*

## 13 Disposal considerations

**13.1 Waste treatment methods :** *Offer surplus and non-recyclable solutions to a licensed disposal company.*

**13.2 Recommended cleansing agent :** *Water, if necessary with cleansing agents.*

## 14 Transport information

**14.1 UN-Number (DOT,ADN,IMDG,IATA) :** *Void*

**14.2 UN proper shipping name (DOT,ADN,IMDG,IATA) :** *Void*

**14.3 Transport hazard class(es) (DOT,ADN,IMDG,IATA) :** *Void*

**14.4 Packing group (DOT,IMDG,IATA) :** *Void*

**14.5 When transported, loads it so that there are neither a fall, nor damage.**

**14.6 Transport it under the temperature condition of 2-30°C**

## 15 Regulatory information

**15.1 Industrial Safety and Health Law :** *Non-pertinence*

**15.2 Water Pollution Control Law :** *Non-pertinence*

**15.3 Poisonous and Deleterious Substances Control Law :** *Non-pertinence*

**15.4 Firefighting Low :** *Non-pertinence*

**15.5 Regulations for the carriage and storage of dangerous goods in ship :**  
*Non-pertinence*

## 16 Other information

*The above information, to the best of our knowledge, is accurate. Hangzhou GENESIS Biodetection and Biocontrol CO., LTD. assumes no liability whatsoever for the accuracy or completeness of the information stated above. Final determination*



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*of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards may be described, we cannot guarantee that these are the only hazards that exist.*

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