



# SENTEK

SENTEK LIMITED  
Unit 6-7 Crittall Court  
Crittall Drive  
Springwood Industrial Estate  
Braintree, Essex CM7 2SE  
England

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website: [www.sentek.co.uk](http://www.sentek.co.uk)

## Safety Data Sheet

### Section 1: Identification

#### 1.1 Product Identifiers

Product Name Calcium Ionic Strength Adjustment Buffer (ISAB)

#### 1.2 Application

Intended Use Buffering of all samples and standards to the same ionic strength when using a calcium ISE

#### 1.3 Details of Supplier

Manufacturer/Supplier Sentek Ltd  
Unit 6-7 Crittall Court  
Crittall Drive  
Springwood Industrial Estate  
Braintree  
Essex  
CM7 2SE  
England

Telephone +44 (0) 1376 340456  
Fax +44 (0) 1376 340453  
E-mail [sentekuk@btconnect.com](mailto:sentekuk@btconnect.com)

#### 1.4 Emergency Telephone

Emergency Contact +44 (0) 1376 340456

### Section 2: Hazards Identification

#### 2.1 Classification of the Substance or Mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.



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## 2.2 Label Elements

Not a hazardous substance or mixture.

## 2.3 Other Hazards

None

## Section 3: Composition/Information on Ingredients

### 3.1 Substances

Name	Potassium Chloride
Formula	KCl
CAS No	7447-40-7
Concentration	<7.5%

Name	Water
Formula	H <sub>2</sub> O
CAS No	7732-18-5
Concentration	>92.5%

## Section 4: First Aid Measures

### 4.1 Description of First Aid Measures

In Case of Eye Contact	Flush eyes thoroughly with water
In Case of Swallowing	Rinse mouth with water. Consult a physician

## Section 5: Firefighting Measures

### 5.1 Extinguishing Media

Suitable Extinguishing Media  
Water Spray, Foam, Dry Powder, Carbon Dioxide

### 5.2 Special Hazards Arising From the Substance or Mixture

Hazardous Combustion Products  
At high temperatures potential release of hydrogen chloride gas

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BS EN ISO 9001:2015  
Certificate No. FM 36099



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**5.3 Advice for firefighters**      Wear breathing apparatus if necessary

## Section 6: Accidental Release Measures

**6.1 Personal Precautions, Protective Equipment and Emergency Procedures**  
Use suitable laboratory precautions

**6.2 Environmental Precautions**  
Do not allow to enter drains

**6.3 Methods and Materials for Containment and Cleaning up**  
Use suitable absorbent material and dispose of safely

## Section 7: Handling and Storage

**7.1 Precautions for Safe Handling**  
No special measures required other than normal laboratory precautions

**7.2 Conditions for Safe Storage, Including any Incompatibilities**  
Keep sealed in electrode as supplied

**7.3 Specific End Uses**  
No other uses other than those specified in Section 1.2

## Section 8: Exposure Controls/Personal Protection

**8.1 Control Parameters**

**Components with Workplace Control Parameters**

None



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## 8.2 Exposure Controls

### General Protective and Hygienic Measures

Usual precautionary laboratory methods for handling chemicals should be followed

### Personal Protective Equipment

#### Eye Protection

Use suitable laboratory standard eye protection

#### Skin Protection

Handle with gloves

#### Body Protection

Not required

#### Respiratory Protection

Not required

### Environmental Exposure Controls

Do not allow to enter drains

## Section 9: Physical and Chemical Properties

### 9.1 Information on Physical and Chemical Properties

<b>Form:</b>	Liquid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Odourless
<b>Odour Threshold:</b>	Not determined
<b>pH:</b>	Not determined
<b>Melting Point/ Freezing Point:</b>	Not determined
<b>Boiling Point/ Boiling Range:</b>	Not determined
<b>Flash Point:</b>	Not applicable
<b>Flammability:</b>	Not applicable
<b>Auto-ignition Temperature:</b>	Not applicable
<b>Decomposition Temperature:</b>	Not determined



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<b>Explosion limits:</b>	Not applicable
<b>Vapour Pressure:</b>	Not determined
<b>Density:</b>	Not determined
<b>Vapour Density:</b>	Not determined
<b>Evaporation Rate:</b>	Not determined
<b>Water Solubility:</b>	Not determined
<b>Partition Coefficient: n-octanol/water</b>	Not determined
<b>Viscosity:</b>	Not determined
<b>Explosive Properties:</b>	Not determined
<b>Oxidizing Properties:</b>	Not determined

## 9.2 Other Information

No further relevant information available

## Section 10: Stability and Reactivity

### 10.1 Reactivity

No relevant information available

### 10.2 Chemical Stability

Stable under normal conditions

### 10.3 Possibility of Hazardous Reactions

None known

### 10.4 Conditions to Avoid

No relevant information available

### 10.5 Incompatible Materials

Strong oxidizing reagents

### 10.6 Hazardous Decomposition products

In the event of fire: see Section 5



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## Section 11: Toxicological information

### 11.1 Information on Toxicological Effects

<b>Acute Toxicity:</b>	No data available
<b>Skin Irritation:</b>	No data available
<b>Eye damage/Irritation</b>	Eye irritation
<b>Sensitization</b>	No data available
<b>Germ Cell Mutagenicity:</b>	No data available
<b>Carcinogenicity:</b>	No data available
<b>Reproductive Toxicity:</b>	No data available
<b>Specific Target Organ Toxicity</b>	
<b>Aspiration Hazard:</b>	No data available

## Section 12: Ecological information

### 12.1 Toxicity

No data available

### 12.2 Persistence and Degradability

No data available

### 12.3 Bio-accumulative Potential

No data available

### 12.4 Mobility in Soil

No data available

### 12.5 Result of PBT and vPvB

No data available

### 12.6 Other Adverse Effects

No data available



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## Section 13: Disposal Considerations

### 13.1 Waste Treatment Methods

Can be disposed of via licensed disposal company

## Section 14: Transport Information

### 14.1 UN Number

Non-regulated material

### 14.2 UN Proper Shipping Name

Non-regulated material

### 14.3 Transport Hazard Class

Non-regulated material

### 14.4 Packaging Group

Non-regulated material

### 14.5 Environmental Hazards

No

### 14.6 Special Precautions for User

Not applicable

## Section 15: Regulatory Information

### 15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

None of the ingredients is listed

### 15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out

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## Section 16: Other Information

The information above is based on our present knowledge and is believed to be correct but shall be used only as a guide. It does not constitute a guarantee for any specific product features.

**Date of Preparation/Last Revision**                      30/11/2021

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