



SENTEK

SENTEK LIMITED
Unit 6-7 Crittall Court
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England

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e-mail: sentekuk@btconnect.com
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Safety Data Sheet

Section 1: Identification

1.1 Product Identifiers

Product Name Galvanic Dissolved Oxygen Electrode Fill Solution

1.2 Application

Intended Use Internal fill solution for galvanic DO₂ electrode

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

1.4 Emergency Telephone

Emergency Contact +44 (0) 1376 340456

Section 2: Hazards Identification

2.1 Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008.
Corrosive to Metals (Category 1) H290
Skin corrosion (Sub-category 1A) H314
Serious eye damage (Category 1) H318



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2.2 Label Elements

Pictogram



Signal Word

Danger

Hazard Statements

H314 Causes severe skin burns and eye damage

Potassium hydroxide

Precautionary statements

Potassium hydroxide

P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection
P301 + P330 + P331 - IF SWALLOWED: Rinse mouth out. Immediately seek medical help
P303 + P353 + P361 - IF ON SKIN: Wash with plenty of water. Remove contaminated clothing

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 <8%

Name Potassium Hydroxide

Formula KOH

CAS No 1310-58-3

Concentration <6%

Name Water

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Formula
H₂O

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CAS No 7732-18-5
Concentration >76%

Section 4: First Aid Measures

4.1 Description of First Aid Measures

In Case of Eye Contact	Flush eyes thoroughly with water. Consult a physician
In Case of Swallowing	Rinse mouth with water. Give water to drink. Do not induce vomiting. Consult a physician
In Case of Skin Contact	Wash with plenty of water. Remove contaminated clothing. 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

5.3 Advice for firefighters

Wear breathing apparatus if necessary. Wear suitable protective clothing

Section 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Use suitable laboratory precautions

6.2 Environmental Precautions

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Do not allow to
enter drains

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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

Observe 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

Potassium hydroxide Exposure limit - 2mg/m³

8.2 Exposure Controls

General Protective and Hygienic Measures

Potassium hydroxide and potassium chloride are held within the electrode. Usual precautionary laboratory methods for handling chemicals should be followed. If the electrode is damaged then measures outlined in Section 6 should be followed.

Personal Protective Equipment

Eye Protection

Use suitable laboratory standard eye protection

Skin Protection

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Handle
with gloves

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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

Form:	Liquid
Colour:	Colourless
Odour:	Odourless
Odour Threshold:	Not determined
pH:	~ 14
Melting Point/ Freezing Point:	Not determined
Boiling Point/ Boiling Range:	Not determined
Flash Point:	Not applicable
Flammability:	Not applicable
Auto-ignition Temperature:	Not applicable
Decomposition Temperature:	Not determined
Explosion limits:	Not applicable
Vapour Pressure:	Not determined
Density:	Not determined
Vapour Density:	Not determined
Evaporation Rate:	Not determined
Water Solubility:	Soluble
Partition Coefficient:	Not determined

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octanol/water

Viscosity:

Not

determined

Explosive

Properties: Not

determined

Oxidizing Properties: Not determined

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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

With:

Strong acids

Phosphorus

Organic nitro compounds

Halogen oxides

Ammonium compounds

Some metals

10.4 Conditions to Avoid

No relevant information available

10.5 Incompatible Materials

Strong oxidizing reagents

Some metals

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

Acute Toxicity:	If ingested, severe burns of the mouth and throat.
Skin Irritation:	Causes burns
Eye damage/Irritation	Eye irritation and risk of eye damage
Sensitization	No data available
Germ Cell Mutagenicity:	No data available
Carcinogenicity:	No data available
Reproductive Toxicity:	No data available
Specific Target Organ Toxicity	No data available
Aspiration Hazard:	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

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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



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Section 15:

Regulatory Information

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**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

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 09/11/2022