



SENTEK

SENTEK LIMITED
Unit 6-7 Crittall Court
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England

Tel: +44 (0) 1376 340 456
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e-mail: sentekuk@btconnect.com
website: www.sentek.co.uk

Safety Data Sheet

Section 1: Identification

1.1 Product Identifiers

Product Name Saturated Potassium Chloride/Silver Chloride
Dry Tech Gel

1.2 Application

Intended Use Fill solution for silver chloride reference
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

Chronic aquatic toxicity (Category 3), H412 according to Regulation (EC) No
1272/2008



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2.2 Label Elements

Pictogram



Signal Word

Warning

Hazard Statements

Although only present in very low concentration, silver chloride is harmful to aquatic life with long lasting effects.

Precautionary statements

Avoid release into the environment

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 >34%

Name Polyvinylpyrrolidone

Formula $(C_6H_9NO)_n$

CAS No 9003-39-8

Concentration >1%

Name Tylose (Hydroxyethyl cellulose)

Formula $(C_{10}H_{18}O_4)_n$

CAS No 9004-62-0

Concentration >1.5%

Name Water

Formula H_2O

CAS No 7732-18-5

Concentration <64%

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Registered in England No. 2753857



BS EN ISO 9001:2015
Certificate No. FM 36099



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| | |
|---------------|-----------------|
| Name | Silver Chloride |
| Formula | AgCl |
| CAS No | 7783-90-6 |
| Concentration | <0.5% |

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

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

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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

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

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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: | Not determined |
| 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: | Not determined |
| Partition Coefficient: n-octanol/water | Not determined |
| Viscosity: | Not determined |
| Explosive Properties: | Not determined |
| Oxidizing Properties: | Not determined |

9.2 Other Information

No further relevant information available



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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

Section 11: Toxicological information

11.1 Information on Toxicological Effects

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



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Section 12: Ecological information

12.1 Toxicity

Silver chloride - Fish 1 (LC50: 0.0005mg/L)

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

Harmful to aquatic life with long lasting effects

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



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- 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

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 01/03/2021