

# SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Page 1/6

## Preservative 100 g

Revision 1

Revision date 2015-03-10

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name Preservative 100 g

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

Product Use [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [SU0] Other; [PC37] Water treatment chemicals;

Description Preservative for RO membrane systems. FOR INDUSTRIAL USE.

#### 1.3. Details of the supplier of the safety data sheet

Company Katadyn Products Inc.

Address Pfäffikerstrasse 37  
8310 Kempthal  
Switzerland

Telephone +41 (0)44 839 21 11

Fax +41 (0)44 839 21 99

Email info@katadyn.ch

Email address of the competent person info@katadyn.ch

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

2.1.1. Classification - 67/548/EEC Xi; R36  
Symbols: Xi: Irritant.

Main hazards Irritating to eyes.

2.1.2. Classification - EC 1272/2008 Eye Irrit. 2: H319;

#### 2.2. Label elements

Hazard pictograms



Signal Word Warning

Hazard Statement Eye Irrit. 2: H319 - Causes serious eye irritation.

Precautionary Statement: Prevention P264 - Wash hands thoroughly after handling.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Print date 2015-03-10

# Preservative 100 g

Revision 1

Revision date 2015-03-10

## 2.2. Label elements

<b>Precautionary Statement: Response</b>	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention.
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## 2.3. Other hazards

<b>Other hazards</b>	No known adverse health effects.
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## SECTION 3: Composition/information on ingredients

### 3.1. Substances

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Citric Acid		77-92-9	201-069-1	01-2119457026-42	30 - 40%	Xi; R36
Sodium alkyl benzene sulphonate powder		85117-50-6	285-600-2		1 - 10%	

EC 1272/2008

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Sodium alkyl benzene sulphonate powder		85117-50-6	285-600-2		1 - 10%	

### 3.2. Mixtures

	This product is a preparation.
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### Further information

	See section 3.1 for further information.
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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>Inhalation</b>	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move person to fresh air; if effects occur, consult a physician.
<b>Eye contact</b>	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
<b>Skin contact</b>	Remove contaminated clothing. Seek medical attention if irritation or symptoms persist. Wash off immediately with plenty of soap and water.
<b>Ingestion</b>	DO NOT INDUCE VOMITING. Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist.

### 4.2. Most important symptoms and effects, both acute and delayed

<b>Inhalation</b>	Irritating to respiratory system.
<b>Eye contact</b>	Irritating to eyes.
<b>Skin contact</b>	Irritant, moderate skin.
<b>Ingestion</b>	Ingestion may cause nausea and vomiting.

### 4.3. Indication of any immediate medical attention and special treatment needed

	If you feel unwell, seek medical advice (show the label where possible).
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions. EXTINGUISHING MEDIA: Water spray. Foam. Dry chemical. Carbon dioxide (CO <sub>2</sub> ).
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### 5.2. Special hazards arising from the substance or mixture

	In case of fire and/or explosion do not breathe fumes.
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Print date 2015-03-10

# Preservative 100 g

Revision 1

Revision date 2015-03-10

## 5.2. Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

## 5.3. Advice for firefighters

Wear suitable respiratory equipment when necessary.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area. Wear suitable protective clothing, gloves and eye/face protection.

### 6.2. Environmental precautions

Do not allow runoff water to enter sewers or drains. Do not empty into drains; dispose of this material and its container in a safe way. Prevent further spillage if safe.

### 6.3. Methods and material for containment and cleaning up

Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

### 6.4. Reference to other sections

See section 8 for further information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes and skin. Use in a well ventilated area.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Keep in a cool, dry, well ventilated area. Store in correctly labelled containers. Keep away from food, drink and animal feedingstuffs. Keep away from acids.

### 7.3. Specific end use(s)

Water treatment chemicals.

### Suitable packaging

Plastic containers.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No data is available on this product.

### 8.2. Exposure controls



#### 8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

#### 8.2.2. Individual protection measures

Wear protective clothing.

#### Eye / face protection

Approved safety goggles. (Standard EN 166).

#### Skin protection - Handprotection

Chemical resistant gloves (PVC). (Standard EN374-1). Material of Gloves: Nitrile Rubber NBR; Penetration time of Glove material: Thickness 0.4 mm; break-through time: 480 min: material: Nitrile; permeation: level 6.

#### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Suitable half mask respirator with filter P2 (EN 143).

## SECTION 9: Physical and chemical properties

# Preservative 100 g

Revision 1

Revision date 2015-03-10

## 9.1. Information on basic physical and chemical properties

<b>State</b>	Powder
<b>Colour</b>	White
<b>Odour</b>	Slight
<b>pH</b>	2 - 3 (2% w/w in DI water)
<b>Melting point</b>	Not applicable.
<b>Boiling point</b>	Not applicable.
<b>Flash point</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.
<b>Flammability limits</b>	Not applicable.
<b>Autoignition temperature</b>	Not applicable.
<b>Explosive</b>	Not applicable.
<b>Oxidising</b>	Not applicable.
<b>Partition coefficient</b>	No data available
<b>Viscosity</b>	No data available
<b>Vapour Flammability</b>	Not applicable.
<b>Solubility</b>	Miscible in water

## 9.2. Other information

<b>Conductivity</b>	No data available
<b>Surface tension</b>	Not applicable.
<b>Bulk Density</b>	0.63 - 0.98 Kg/litre

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

	Stable under normal conditions.
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### 10.2. Chemical stability

	Stable under normal conditions.
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### 10.3. Possibility of hazardous reactions

	None.
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### 10.4. Conditions to avoid

	Keep away from direct sunlight. Keep in a cool, dry, well ventilated area.
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### 10.5. Incompatible materials

	Keep away from oxidising agents, Alkalis.
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### 10.6. Hazardous decomposition products

	No data is available on this product.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>Acute toxicity</b>	No known adverse health effects.
<b>Skin corrosion/irritation</b>	Irritating to skin.
<b>Serious eye damage/irritation</b>	Irritating to eyes.
<b>Respiratory or skin sensitisation</b>	No sensitization effects reported.
<b>Germ cell mutagenicity</b>	No mutagenic effects reported.
<b>Carcinogenicity</b>	No carcinogenic effects reported.
<b>Reproductive toxicity</b>	No teratogenic effects reported.
<b>STOT-single exposure</b>	None.
<b>STOT-repeated exposure</b>	None.
<b>Aspiration hazard</b>	None.

Print date 2015-03-10

# Preservative 100 g

Revision 1

Revision date 2015-03-10

## 11.1. Information on toxicological effects

Repeated or prolonged exposure	Avoid prolonged or repeated exposure.
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### 11.1.4. Toxicological Information

Citric Acid	Oral Rat LD50: 500 mg/kg	Dermal Rabbit LD50: 500 mg/kg
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## SECTION 12: Ecological information

### 12.1. Toxicity

Citric Acid	Daphnia LC50/48h: 45 mg/l	Bluegill sunfish LC50/96h: 100 mg/l
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### 12.2. Persistence and degradability

	Not readily biodegradable.
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### 12.3. Bioaccumulative potential

	Does not bioaccumulate.
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### 12.4. Mobility in soil

	No data is available on this product.
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### 12.5. Results of PBT and vPvB assessment

	None.
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### 12.6. Other adverse effects

	None.
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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

	Dispose of in compliance with all local and national regulations.
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#### Disposal methods

	Dispose of in compliance with all local and national regulations.
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#### Disposal of packaging

	Empty containers can be sent for disposal or recycling. Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations.
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## SECTION 14: Transport information

### ADR/RID

	The product is not classified as dangerous for carriage.
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### IMDG

	The product is not classified as dangerous for carriage.
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### IATA

	The product is not classified as dangerous for carriage.
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## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulations	<p>COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p> <p>REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC</p>
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Print date 2015-03-10

# Preservative 100 g

Revision 1

Revision date 2015-03-10

## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

	and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
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## 15.2. Chemical safety assessment

	Not applicable.
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## Further information

	FOR INDUSTRIAL USE. Water Hazard Class.: WGK 1.
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## SECTION 16: Other information

### Other information

Revision	This document differs from the previous version in the following areas: 9 - 9.1. Information on basic physical and chemical properties (Odour).
Text of risk phrases in Section 3	R36/38 - Irritating to eyes and skin. R36 - Irritating to eyes.
Text of Hazard Statements in Section 3	Eye Irrit. 2: H319 - Causes serious eye irritation.

### Further information

	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.
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