



# SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH).

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

<b>1.1 Product identifier</b>	
Trade Name	Sodium Chloride / Brine Saline Solution
Reference No.	
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>	
Identified Use(s)	General reagent. Industrial use only.
<b>1.3 Details of the supplier of the safety data sheet</b>	
Company Identification	Micro-Bio (Ireland) Ltd. Industrial Estate, Fermoy, Co. Cork, P61 X977, Ireland.
Telephone	+353 (0) 25 31388
E-Mail (competent person)	info@micro-bio.ie
<b>1.4 Emergency telephone number</b>	
Emergency Phone No.	+353 (0) 25 31388

## SECTION 2: HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture Regulation (EC) No. 1272/2008 (CLP)</b>	Not classified as dangerous for supply/use.
<b>2.2 Label elements</b>	No measures required.
<b>2.3 Other hazards</b>	None.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<b>3.2 Mixtures</b>	
Description:	Aqueous solution.
Dangerous components:	The product does not contain reportable quantities of dangerous components.

## SECTION 4: FIRST AID MEASURES

<b>4.1 Description of first aid measures</b>	
Inhalation	Not relevant for this material.
Skin Contact	Wash with plenty of water. Remove contaminated clothing.
Eye Contact	Rinse cautiously with water for several minutes. Consult a doctor in case of complaint.
Ingestion	Do not induce vomiting wash out mouth with water.
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	None.
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	None.

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## SECTION 5: FIREFIGHTING MEASURES

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|--|---|
| <b>5.1 Extinguishing media</b><br>Suitable Extinguishing media   | CO <sub>2</sub> , powder or water spray. Fight larger fires with water spray or alcohol resistant foam.   |
| <b>5.2 Special hazards arising from the substance or mixture</b> | In case of fire, the following can be released: Chlorine and Sodium Oxide are released at 1000°C,   |
| <b>5.3 Advice for fire-fighters</b>                              | The material is non-combustible.<br>Use fire-extinguishing methods suitable to surrounding conditions.<br>Wear full protective suit and self-contained breathing apparatus (SCBA) when extinguishing fires. |


## SECTION 6: ACCIDENTAL RELEASE MEASURES

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|--|--|
| <b>6.1 Personal precautions, protective equipment and emergency procedures</b> | Isolate spillage and clean up immediately.<br>Refer to Section 8 for protective measures when handling the spillage.   |
| <b>6.2 Environmental precautions</b>   | None.  |
| <b>6.3 Methods and material for containment and cleaning up</b>                | Absorb with liquid-binding material (paper towelling, sand, diatomite, acid binders, universal binders, sawdust). Swab down area with Chlorox or other disinfecting agent. |
| <b>6.4 Reference to other sections</b>   | 8, 13  |

## SECTION 7: HANDLING AND STORAGE

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|---|---|
| <b>7.1 Precautions for safe handling</b>                                | Avoid contact with the eyes, skin and mucous membranes.<br>Wash hands before breaks and after work. |
| <b>7.2 Conditions for safe storage, including any incompatibilities</b> | Store at ambient temperature.   |
| <b>7.3 Specific end use(s)</b>  | Not determined.   |

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- |   |  |
|---|--|
| <b>8.1 Control parameters</b><br><b>8.1.1 Occupational Exposure Limits</b>  | The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. |
| <b>8.2 Exposure controls</b><br><b>8.2.1 Appropriate engineering controls</b>   | Not relevant for this material.  |
| <b>8.2.2 Personal protection equipment</b><br>Eye/ face protection  | Safety glasses recommended. (EN166).   |
| Hand protection   | Impervious gloves (EN 374).  |
| <br>Material of gloves:<br>Penetration time of glove material: | Latex / natural rubber, PVC, Nitrile rubber.<br>> 480 min.   |
| Body protection   | Protective working garments (e.g. safety shoes EN 344, long sleeved protective working garments)                                   |
| Respiratory protection  | Not normally required.   |

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## 8.2.3 Environmental Exposure Controls

No special measures are required.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	Liquid.
Colour.	Colourless.
Odour	Odourless.
Odour Threshold (ppm)	Not applicable.
pH (Value)	6 - 12
Melting Point (°C) / Freezing Point (°C)	< 0°C
Boiling point/boiling range (°C):	107°C
Flash Point (°C)	Not applicable.
Evaporation rate (BA = 1)	Not determined.
Flammability (solid, gas)	Not applicable.
Explosive Limit Ranges	Not applicable.
Vapour Pressure (mm Hg)	Similar to water, approximately 23 hPa.
Vapour Density (Air=1)	Not determined.
Density (g/ml)	~ 1.2
Solubility (Water)	Completely miscible with water.
Solubility (Other)	Not determined.
Partition Coefficient (n-Octanol/water)	Not determined.
Auto Ignition Point (°C)	Not determined.
Decomposition Temperature (°C)	Not determined.
Viscosity (mPa. s)	Not determined.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising

### 9.2 Other information

Not available.

## SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Slightly corrosive to metals
10.2 Chemical stability	The product is stable in accordance with the recommended storage conditions.
10.3 Possibility of hazardous reactions	Hazardous polymerisation will not occur.
10.4 Conditions to avoid	None.
10.5 Incompatible materials	Steel, Iron.Acids.
10.6 Hazardous decomposition products	Sodium Chloride Decomposes at 1000°C into Sodium Oxide and Chlorine Gas.

## ▶ SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### 11.1.2 Mixtures

Acute toxicity	Based upon the available data, the classification criteria are not met.
Skin corrosion/irritation	Based upon the available data, the classification criteria are not met.
Serious eye damage/irritation	Based upon the available data, the classification criteria are not met.
Respiratory/skin sensitization	Based upon the available data, the classification criteria are not met.



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Germ cell mutagenicity	Based upon the available data, the classification criteria are not met.
Carcinogenicity	Based upon the available data, the classification criteria are not met.
Reproductive toxicity	Based upon the available data, the classification criteria are not met.
STOT - single exposure	Based upon the available data, the classification criteria are not met.
STOT - repeated exposure	Based upon the available data, the classification criteria are not met.
Aspiration hazard	Based upon the available data, the classification criteria are not met.

#### Health Effects and Symptoms

Skin Contact	No significant harmful effects anticipated.
Eye Contact	May cause transient irritation.
Ingestion	No significant harmful effects anticipated.

11.2 Information on other hazards Not applicable.

### ► SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	The product does not contain significant quantities of ingredients that are environmentally toxic.
12.2 Persistence and degradability	Not applicable. (Inorganic product)
12.3 Bioaccumulative potential	Not applicable. (Inorganic product)
12.4 Mobility in soil	Not applicable. (Inorganic product)
12.5 Results of PBT and vPvB assessment	Not applicable. (Inorganic product)
12.6 Endocrine disrupting properties	None.
12.7 Other adverse effects	None.

### SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	
Product:	Disposal should be in accordance with local, state or national legislation. – as a non-hazardous waste.
Packaging:	Disposal should be in accordance with local, state or national legislation. Packaging materials may be recycled. Contact your local service providers for further information.

### ► SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class(es)	Not classified as dangerous for transport.
14.4 Packing group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	Not applicable
14.7 Maritime transport in bulk according to IMO instruments	Not applicable



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## SECTION 15: REGULATORY INFORMATION

- |      |   |                 |
|------|---|-----------------|
| 15.1 | <b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b> | None.           |
| 15.2 | <b>Chemical Safety Assessment</b>   | Not applicable. |

## SECTION 16: OTHER INFORMATION

### LEGEND

STOT Specific Target Organ Toxicity

### References:

Raw material safety data sheets.

### Additional Information

Reason for update: Update in accordance with Regulation (EU) 2020/878.  
SECTION 11: SECTION 12: SECTION 14:  
► Indicates altered section

Supersedes: Version: 2

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