



# Material Safety Data Sheet

## Section 1: Chemical Product and Company Identification

**Product Name:** Saline Solution, 0.9%

**CAS:** 7647-14-5, 7732-18-5

**Synonyms:**

**Chemical Formula:** NaCl

### Contact Information:

**UFC Biotechnology, Inc.**

435 Creekside Drive, Suite 5

Amherst, New York 14228

Office Number: 716-777-3776

**INFOTRAC (24HR Emergency Telephone), call:**  
1-800-535-5053

**International INFOTRAC, call:** 1- 352-323-3500

**For non-emergency assistance, call:** 1-716-777-3776

## Section 2: Hazards Identification

### 2.1 Classification of the substance or mixture

#### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

The product is not classified according to the Globally Harmonized System (GHS)

### 2.2 GHS Label elements, including precautionary statements

The product does not have to be labeled due to the calculation procedure of international guidelines

**Hazard statement(s)**

**Precautionary statement(s)**

### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None identified

## Section 3: Composition, Information on Ingredients

### 3.1 Substances

Synonyms: Water, Sodium chloride

Formula : H<sub>2</sub>O, NaCl

Molecular weight : 58.44 g/mol

CAS-No. : 7732-18-5, 7647-14-5

EC-No. : 231-598-3

Components Name	Classification	% by Weight
Sodium chloride		0.9% ≤
Water		≥ 99.1%

## Section 4: First Aid Measures

### 4.1 Description of first-aid measures

General advice No special measures are required.

If inhaled Supply fresh air. Get medical attention if symptoms occur.

In case of skin contact Wash off immediately with plenty of water.

In case of eye contact After eye contact: rinse out with plenty of water. Remove contact lenses.

If swallowed Clean mouth with water and drink afterward plenty of water.

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

No information available

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

No data available

## Section 5: Firefighting Measures

<b>5.1</b>	<b>Extinguishing media</b> <b>Suitable extinguishing media</b> Water Foam Carbon dioxide (CO2) Dry powder <b>Unsuitable extinguishing media</b> For this substance/mixture no limitations of extinguishing agents are given.
<b>5.2</b>	<b>Special hazards arising from the substance or mixture</b> None.
<b>5.3</b>	<b>Advice for firefighters</b> None.
<b>5.4</b>	<b>Further information</b> None.

### Section 6: Accidental Release Measures

<b>6.1</b>	<b>Personal precautions, protective equipment and emergency procedures</b> Not required.
<b>6.2</b>	<b>Environmental precautions</b> Dilute with plenty of water.
<b>6.3</b>	<b>Methods and materials for containment and cleaning up</b> Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
<b>6.4</b>	<b>Reference to other sections</b> See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment For disposal see section 13.

### Section 7: Handling and Storage

<b>7.1</b>	<b>Precautions for safe handling</b> <b>Advice on protection against fire and explosion</b> No special measures required. <b>Hygiene measures</b> Immediately change contaminated clothing. Wash hands and face after working with substance. For precautions see section 2.2.
<b>7.2</b>	<b>Conditions for safe storage, including any incompatibilities</b> <b>Storage conditions</b> No special requirements <b>Storage class</b> No special requirements.
<b>7.3</b>	<b>Specific end use(s)</b> Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

### Section 8: Exposure Controls/Personal Protection

<b>8.1</b>	<b>Control parameters</b> This product does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.
<b>8.2</b>	<b>Exposure controls</b> <b>Appropriate engineering controls</b> Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substances. <b>Personal protective equipment</b> <b>Eye/face protection</b> Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Tightly fitting safety goggles <b>Skin protection</b> Handle with impervious gloves. This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: <a href="http://www.kcl.de">www.kcl.de</a> ). Full contact Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested: KCL 741 Dermatril® L Splash contact Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested: KCL 741 Dermatril® L <b>Body Protection</b> Flame retardant antistatic protective clothing. <b>Respiratory protection</b> Not required. <b>Control of environmental exposure</b> Do not let product enter drains.

### Section 9: Physical and Chemical Properties

Physical State	Liquid
Appearance	Colorless
Odor	Odorless

Odor Threshold	No information available
pH	No data available
Melting Point/Range	0 °C / 32 °F
Boiling Point/Range	100 °C / 212 °F
Flash Point	Not applicable
Evaporation Rate	No data available
Flammability (solid, gas)	Not applicable
Flammability or explosive limits	
Upper	No data available
Lower	No data available
Vapor Pressure at 20°C	No data available
Vapor Density	Not applicable
Specific Gravity	1.0
Solubility	Soluble in water
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	No information available
Molecular Formula for solid	NaCl
Molecular weight of solid	58.44

### Section 10: Stability and Reactivity Data

Reactive Hazard	No
Stability	Stable.
Conditions to Avoid	No further information.
Incompatible Materials	No further information.
Hazardous Decomposition Products	No dangerous decomposition.
Hazardous Polymerization	Hazardous polymerization does not occur.
Hazardous Reactions	None under normal processing.

### Section 11: Toxicological Information

<p><b>11.1 Information on toxicological effects</b></p> <p><b>Acute toxicity</b></p> <p><b>Skin corrosion/irritation</b> No irritating effect</p> <p><b>Serious eye damage/eye irritation</b> No irritating effect</p> <p><b>Respiratory or skin sensitization</b> No sensitization effect</p> <p><b>Germ cell mutagenicity</b> No data available</p> <p><b>Carcinogenicity</b></p> <p>IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.</p> <p>NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.</p> <p>OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.</p> <p><b>Reproductive toxicity</b> No data available</p> <p><b>Specific target organ toxicity - single exposure</b> No data available</p> <p><b>Specific target organ toxicity - repeated exposure</b> No data available</p> <p><b>Aspiration hazard</b> No data available</p> <p><b>11.2 Additional Information</b></p> <p>The toxicological properties have not been thoroughly investigated.</p>
---

### Section 12: Ecological Information

<p><b>12.1 Toxicity</b></p> <p>No data available</p> <p><b>12.2 Persistence and degradability</b></p> <p>No data available</p> <p><b>12.3 Bioaccumulative potential</b></p> <p>No data available</p> <p><b>12.4 Mobility in soil</b></p> <p>No data available</p>
---

<b>12.5</b>	<b>Results of PBT and vPvB assessment</b> PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
<b>12.6</b>	<b>Endocrine disrupting properties</b> No data available
<b>12.7</b>	<b>Other adverse effects</b> No data available

### Section 13: Disposal Considerations

<b>13.1</b>	<b>Waste treatment methods</b> <b>Product</b> Smaller quantities can be disposed of with household waste. Disposal must be made according to local, regional, and national hazardous waste regulations. Water is recommended cleansing agent.
-------------	---

### Section 14: Transport Information

<b>DOT (US)</b>	Not a dangerous goods during transportation
<b>IMDG</b>	Not regulated
<b>IATA</b>	Not regulated

### Section 15: Other Regulatory Information

<b>US Federal Regulations</b>	<ul style="list-style-type: none"> <li>Us Toxic Substances Control Act (TSCA): Active</li> <li>SARA 302: No chemicals were found.</li> <li>SARA 313: No chemicals were found.</li> <li>SARA 311/312 Hazards: No chemicals were found</li> </ul>
-------------------------------	---

### Section 16: Other Information

<p><b>References:</b> Not available.</p> <p><b>Other Special Considerations:</b> Not available.</p> <p><b>Created:</b> 7/25/2022</p> <p><b>Last Updated:</b> 7/25/2022</p> <p>The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall UFC Biotechnology be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, however arising, even if UFC Biotechnology has been advised of the possibility of such damages.</p>
---