



Revision date: 05Jan2015

Version: 1

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

1.1. Product identifier

Trade name/designation:	Sodium Chloride solution, 0.85% Non-Sterile
Product No.:	89370-096, 89370-098
Other means of identification:	Isotonic Saline, Blood Bank Saline, Reagent Saline

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

Relevant identified uses: Laboratory reagent, non-sterile isotonic diluent. NOT for infusion or sterile irrigation.

1.3. Details of the supplier of the safety data sheet

Company VWR International, LLC
 Radnor Corporate Center
 100 Matsonford Road
 Radnor, PA 19087-8660
 Telephone 610.386.1700

1.4. Emergency Telephone number

CHEMTREC 800.424.9300
 CANUTEC 613.992.4624

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS): This item does not meet the OSHA Hazard Communication Standard (29 CFR 1910.1200) definition of a hazardous material.

2.2. GHS Label elements, including precautionary statements: None

2.3. WHIMS Classification: Not Applicable

2.4. Hazards not otherwise classified (HNOC) or not covered by GHS or WHIMS: None

SECTION 3: Composition / information on ingredients

3.1. Components

Chemical name	Formula	Molecular weight	CAS#	Weight%
Sodium Chloride	NaCl	58.44 g/mol	7647-14-5	<1% (w/v)
Water, Deionized	H ₂ O	18.01528 g/mol	7732-18-5	Balance

Emergency Overview: May cause irritation to the eyes and skin. Wash areas of contact with water. Call a physician if irritation develops. Does not present any significant health hazards.

SECTION 4: First aid measures

4.1. General information

In case of inhalation: Not likely to be hazardous by inhalation

In case of skin contact: Wash areas of contact with soap and water. Call a physician if irritation develops.

In case of eye contact: Irrigate immediately with large quantity of water for at least 15 minutes. Call a physician if irritation develops.

In case of ingestion: Dilute with water or milk. Do not induce vomiting. Call a physician if necessary.

4.2. Most important symptoms and effects, both acute and delayed. N/A

SECTION 5: Firefighting measures

5.1. Extinguishing media: Use any means suitable for extinguishing surrounding fire.

5.2. Special hazards arising from the substance or mixture: None



5.3. Special protective equipment for firefighters: Use protective clothing and breathing equipment appropriate for the surrounding fire.

5.4. Hazardous combustion products: None

5.5. Advice for firefighters: Use normal procedures/instructions

5.6. Additional information

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures: No special precautions or equipment required.

6.2. Environmental precautions: None

6.3. Methods and material for containment and cleaning up: Absorb with suitable material and treat as normal refuse. Small amounts of the liquid may be flushed to the drain with excess water. Always dispose of in accordance with local regulations.

6.4. Additional information

SECTION 7: Handling and storage

7.1. Precautions for safe handling: N/A

7.2. Conditions for safe storage, including any incompatibilities: General storage

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Appropriate engineering controls: No specific controls are needed. Normal room ventilation is adequate.

Personal protection equipment

Eye/face protection: Safety glasses or goggles

Skin protection: Chemical resistant gloves

Respiratory protection: Normal room ventilation is adequate

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

- a) Appearance
Physical state: Liquid
Color: colorless
- b) Odor: Odorless
- c) Odor Threshold: N/A
- d) pH: 6.7-7.3
- e) freezing point: Approximately (-6)-0°C
- f) Initial boiling point: Approximately 100.1°C
- g) Flash point: Not Available
- h) Evaporation rate: Not Available
- i) Flammability (solid, gas): Not Flammable
- j) Vapor pressure: N/A
- k) Solubility in Water: Infinite

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity: 0

10.2. Chemical stability: Stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions: None

10.4. Conditions to avoid: N/A

10.5. Incompatible materials: Strong oxidizing agents, Lithium, Bromine Trifluoride.

10.6. Hazardous decomposition products: Oxides of Sodium and fumes of Chlorine may be released when heated to decomposition

SECTION 11: Toxicology

11.1. Information on toxicological effects



Acute toxicity

Oral LD₅₀ Rat (Sodium chloride) 3000 mg/kg, details of toxic effect not reported other than lethal dose value

Inhalation LC₅₀ No Information Available

Dermal LD₅₀ Rabbit (Sodium Chloride) >10 gm/kg

Other information on acute toxicity

Skin corrosion/irritation: May cause irritation, redness, itching and pain, especially on damaged or broken skin.

Serious eye damage/eye irritation: May cause irritation, redness, pain and tearing.

Respiratory or skin sensitization: None

Germ cell mutagenicity: Mutation data cited in "Registry of Toxic Effects of Chemical Substances" for Sodium Chloride.

Carcinogenicity: None

Reproductive toxicity: Reproductive effects cited in "Registry of Toxic Effects of Chemical Substances" for Sodium Chloride.

Specific target organ toxicity-single exposure: Eyes, skin

Specific target organ toxicity-repeated exposure

Aspiration hazard: Not likely to be hazardous by inhalation

Additional information

SECTION 12: Ecological information

12.1. Ecotoxicity: No Information found

12.2. Persistence and degradability: No information found

12.3. Bioaccumulative potential: No information found

12.4. Mobility in soil: No information found

12.5. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods: Dilute with water and flush to the sewer if local regulations allow. If not allowed, containerize for proper disposal at an approved waste disposal facility. Always dispose of in accordance with local, state and federal regulations.

SECTION 14: Transport information

Land Transport DOT (U.S.) Not regulated

UN Number
Proper Shipping name
Transport Hazard Classes
Class
Hazard Label(s)
Packing Group
Environmental hazard(s)
Special precautions for user

Sea Transport IMDG: Not regulated

UN Number
Proper Shipping name
Transport Hazard Classes
Class
Hazard Label(s)
EMS- No.
Packing Group
Environmental hazard(s)
Segregation Group
Special precautions for user

Air Transport IATA: Not regulated

UN Number

Proper Shipping name
Transport Hazard Classes
Class
Hazard Label(s)
Packing Group
Environmental hazard(s)
Special precautions for user

SECTION 15: Regulatory information

OSHA Hazards : Does not contain any specifically hazardous material or the potentially hazardous material is present in such low concentration that the items do not present any immediate threat to health and safety. This item does not meet the OSHA Hazard Communication Standard (29 CFR 1910.1200) definition of a hazardous material.

SARA 302 Extremely Hazardous Substances : Not Applicable

SARA 313 (TRI reporting): Not Applicable

SARA 311/312 Hazardous Chemicals: No

Massachusetts Right-To-Know Substance List: None reported

Pennsylvania Right-To-Know Hazardous substances: None reported

New Jersey Worker and Community Right-To-Know Components: None reported

California Proposition 65: None reported

Inventory status:

Canada DSL/NDSL Inventory List

US TSCA Inventory List: All components of this solution are listed on the TSCA

Inventory or are mixtures (hydrates) of items listed on the TSCA Inventory

EINECS, ELINCS or NLP

SECTION 16: Other information

Full text of H-Statement(s) and R-phrase(s)



Canadian Carcinogenicity hazard class
PHNOC hazard class
HHNOC hazard class
Biohazardous Infectious Materials hazard class

NFPA Rating:

Health:0

Flammability:0

Reactivity:0

Special Hazard:

DISCLAIMER

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. VWR International and its Affiliates shall not be held liable for any damage resulting from handling.