



SAFETY DATA SHEET

Sodium Chloride, 0.9% USP Grade Solution

This SDS is valid for all grades that start with catalog number
274

1. IDENTIFICATION OF SUBSTANCE / MIXTURE AND OF SUPPLIER

Product Identifier: High Purity Chemicals

Synonyms: Saline Solution

Other means of identification:

Recommended use of the chemical and restrictions on use:

For manufacturing, laboratory or research use. Intended for further manufacturing applications or laboratory use only.

Supplier Details:

Greenfield Global USA, Inc.

58 Vale Road, Brookfield,

CT 06804, USA.

Tel: 203.740.3471

Fax: 203.740.3481

CCN17213

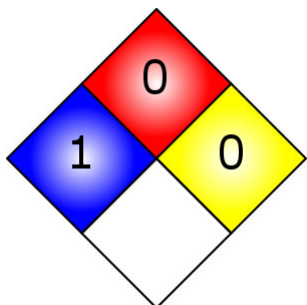
Emergency Contact: CHEMTREC: 1.800.424.9300 (USA) / +1.703.527.3887 (International)

2. HAZARDS IDENTIFICATION

Emergency Overview:

Based on the classification criteria - no hazard classes apply - not a hazardous material or substance.

NFPA



Product Information: 203.740.3471 Emergency Assistance (CHEMTREC): 1.800.424.9300 (USA)
Other hazards which do not result in classification: +1.703.527.3887 (INT)

Potential Health Effects:

Organ	Description
Eyes	May cause irritation.
Ingestion	May be harmful if ingested.
Inhalation	May cause irritation.
Skin	May cause irritation.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical identity: Saline, 0.9% Solution
Common name / Synonym: Sodium Chloride
CAS number: 7647-14-5
EINECS number: 231.598-3

% Weight	Material	CAS
0.90	Sodium chloride	7647-14-5
99.10	Water for Injection	7732-18-5

4. FIRST AID MEASURES

General advice

Take proper precautions to ensure your own health and safety.

Skin

Take off contaminated clothing and shoes immediately. Wash affected area with soap and water. Seek medical attention if irritation or discomfort persists.

Inhalation

Move exposed individual to fresh air. Loosen clothing as necessary and position individual in a comfortable position. Seek medical advice if discomfort or irritation persists. If breathing is difficult, give oxygen.

Eyes

Protect unexposed eye. Rinse/flush exposed eye(s) gently using water for 15-20 minutes. Remove contact lenses if available to do so. Immediately get medical assistance.

Ingestion

Rinse mouth thoroughly. Do not induce vomiting. Have exposed individual drink sips of water. Seek medical attention if irritation, discomfort or vomiting persists.

Note to Physician

Symptoms and Effects, both Acute and Delayed: No relevant information is available.



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5. FIRE FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:

Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products):

No data available.

Special protective equipment and precautions for firefighters:

Fire Fighting Media and Instructions: Use NIOSH approved respiratory protection/breathing apparatus

Unusual Fire and Explosion Hazards:

- Not Applicable

Flammable Properties

Classification

Non-Combustible

Flash point

Not Applicable

Autoignition temperature

Not Applicable

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Ensure adequate ventilation.

Environmental precautions:

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and materials for containment and cleaning up:

Small Spill Cleanup: Mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Large Spill Cleanup: Absorb with an inert dry material and place the spilled material in an appropriate waste disposal container. Prevent from reaching drains, sewer, or waterway

7. HANDLING AND STORAGE

Precautions for safe handling:

No specific safety phrase has been found applicable for this document.

Conditions for safe storage, including any incompatibilities:

Storage Temperature 15-30 degrees C, Keep lid tight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriate engineering controls:

Emergency eye wash fountains should be available in the immediate vicinity of use or handling

Individual protection measures, such as personal protective equipment:

Respiratory protection:

No equipment required.

Hand protection:

Impermeable and resistant gloves

Eye protection:

Wear safety glasses.

Skin and body protection:

Lab Coat

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (<i>physical state, color, etc.</i>)	Clear liquid
Odor	Odorless
Odor threshold	Not available
pH	Not available
Freezing point	0 Degrees C (32 Degrees F)
Initial boiling point and boiling range	100 Degrees C (212 Degrees F)
Flash point	Not Applicable
Evaporation rate	Not Available
Flammability (solid, gas)	Not Applicable
Upper / Lower flammability or explosive limits	Not Applicable
Vapor pressure	Not available
Vapor Density	>1
Relative Density	1.01 g/mL
Solubility(ies)	Soluble in water
Partition coefficient n-octanol/water(ies)	Not Available
Auto-ignition temperature	Not Available
Decomposition temperature	Not Available

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10. STABILITY AND REACTIVITY

+1.703.527.3887 (INT)

Chemical Stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	No data available
Conditions to avoid (e.g., static discharge, shock or vibration)	Incompatible materials, excess heat
Incompatible materials	No data available
Hazardous decomposition products	No data available

11. TOXICOLOGICAL INFORMATION

- Sodium Chloride, 0.9% USP Grade Solution 7732-18-5; 7647-14-5

Product Summary:

No Data Available

Carcinogenicity

IARC: No data is available.

ACGIH: No data is available.

NTP: No data is available.

OSHA: No data is available.

Other Hazards

Organ	Description
Eyes	No Data Available
Ingestion	No Data Available
Inhalation	No Data Available
Skin	No Data Available
Chronic	No Data Available

12. ECOLOGICAL INFORMATION

- Sodium Chloride, 0.9% USP Grade Solution 7732-18-5; 7647-14-5

Persistence and degradability:

Readily degradable in the environment

Bioaccumulative potential:

Does not significantly accumulate in organisms.



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Other adverse effects: +1.703.527.3887 (INT)

On the basis of existing data about the elimination/degradation and bioaccumulation, potential longer term damage to the environment is unlikely.

13. DISPOSAL CONSIDERATIONS

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging:

Waste must be disposed of in accordance with federal, state, and local environmental control regulations. Do not allow product to reach sewage system or open water. It is the responsibility of the waste generator to properly characterize all materials according to applicable regulatory entities. Neutralize with dilute acid solutions.

14. TRANSPORT INFORMATION

Description of waste residues and information on their safe handling and methods of disposal:

UN proper shipping name	Not DOT regulated
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IMDG

Proper shipping name: Not regulated

Marine pollutant: No

IATA

Proper shipping name: Not regulated

15. REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product in question:

All ingredients are on the following inventories or are exempted from listing

Country	Notification
Australia	AICS
Canada	DSL
China	IECS
European Union	EINECS
Japan	ENCS/ISHL
Korea	ECL
New Zealand	NZIoC
Philippines	PICCS
United States of America	TSCA

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.



PHARMCO
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**Product Information: 203.740.3471 Emergency Assistance (CHEMTREC): 1.800.424.9300 (USA)
SARA 313 Components +1.703.527.3887 (INT)**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

16. OTHER INFORMATION: INCLUDING INFORMATION ON PREPARATION AND REVISION OF THE SDS

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