MSDS *Material Safety Data Sheet*

From: **Mallinckrodt Inc.**
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MALLINCKRODT

24 Hour Emergency Telephone: 314-654-1600
CHEMTREC: 1-800-424-9300

National Response in Canada
CANUTEC: 613-996-6666

Outside U.S. and Canada
Chemtrec: 703-527-3887

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

SODIUM CHLORIDE INJECTION, USP 0.9%

1. Product Identification

Synonyms: SALINE SOLUTION; SALINE FLUSH
CAS No: 7647-14-5
Molecular Weight: 58.44
Chemical Formula: NaCl
Product Codes: 118875, 118881

2. Composition/Information on Ingredients

Ingredient	CAS No.	Percent	Hazardous
Sodium Chloride	7647-14-5	0.9%	No
Water	7732-18-5	99.1%	No

3. Hazards Identification

Emergency Overview

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

Potential Health Effects

Inhalation:
No adverse effects expected.
Ingestion:
Large doses may cause gastro-intestinal upset. Overdose may cause fluid overload and electrolyte disturbances.
Skin Contact:
No adverse effects expected.
Eye Contact:
No adverse effects expected.
Chronic Exposure:
No adverse effects expected.
Aggravation of Pre-existing Conditions:
No information found.

4. First Aid Measures

Inhalation:
Not expected to require first aid measures.
Ingestion:
Not expected to require first aid measures. If large amounts were swallowed, give water to drink and get medical advice.
Skin Contact:
Wash exposed area with soap and water. Get medical advice if irritation develops.
Eye Contact:
Wash thoroughly with running water. Get medical advice if irritation develops.

5. Fire Fighting Measures

Fire:
Not considered to be a fire hazard.
Explosion:
Not applicable.
Fire Extinguishing Media:
Use any means suitable for extinguishing surrounding fire.
Special Information:
In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures

Non-hazardous material. Clean up of spills requires no special equipment or procedures.

7. Handling and Storage

Store at controlled room temperature 15-30°C (59-86°F). Protect from freezing.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:
None established.
Ventilation System:
Not expected to require any special ventilation.
Personal Respirator (NIOSH Approved)
Not expected to require personal respirator usage.
Skin Protection:
Wear protective gloves and clean body-covering clothing.
Eye Protection:
Safety glasses.

9. Physical and Chemical Properties

Appearance:
Clear, colorless solution in a plastic syringe.
Odor:
Odorless.
Boiling Point:
No information found.
Melting Point:
No information found.

Solubility:
No information found.
Specific Gravity:
No information found.
pH:
4.5 - 7.0
% Volatiles by volume @ 21°C (70°F):
No information found.
Vapor Density (Air=1):
No information found.
Vapor Pressure (mm Hg):
No information found.
Evaporation Rate (BuAc=1):
No information found.

10. Stability and Reactivity

Stability:
Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products:
No information found.
Hazardous Polymerization:
Will not occur.
Incompatabilities:
No information found.
Conditions to Avoid:
No information found.

11. Toxicological Information

No LD50/LC50 information found for the mixture.

Cancer Lists

Ingredient	---NTP Carcinogen--- Known	Anticipated	IARC Category
Sodium Chloride (7647-14-5)	No	No	None
Water (7732-18-5)	No	No	None

12. Ecological Information

Environmental Fate:
No data available on this product mixture.
Environmental Toxicity:
No information found.

13. Disposal Considerations

Dilute with water and flush to sewer if local ordinances allow, otherwise, whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations.

Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Not regulated.

15. Regulatory Information

Chemical Inventory Status

Ingredient	TSCA	EC	Japan	Australia	Korea	---Canada--- DSL	NDSL	Phil.
Sodium Chloride (7647-14-5)	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Water (7732-18-5)	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes

Federal, State & International Regulations

Ingredient	---SARA 302--- RQ	TPQ	----------SARA 313---------- List	Chemical Catg.	CERCLA	-RCRA- 261.33	-TSCA- 8(d)
Sodium Chloride (7647-14-5)	No	No	No	No	No	No	No
Water (7732-18-5)	No	No	No	No	No	No	No

Chemical Weapons Convention: No **TSCA 12(b):** No **CDTA:** No

SARA 311/312: Acute: No Chronic: No Fire: No Pressure: No Reactivity: No (Mixture / Liquid)

Australian Hazchem Code: None allocated. **Australian Poison Schedule:** None allocated.

WHMIS: This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

16. Other Information

NFPA Ratings:

Health: 0 Flammability: 0 Reactivity: 0

Label Hazard Warning:

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

Label Precautions:

None.

Label First Aid:

Not applicable.

Product Use:

Flush for intravenous contrast agents.

Revision Information:

MSDS Section(s) changed since last revision of document include: 3.

Disclaimer:

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