

MATERIAL SAFETY DATA SHEET

Sodium Chloride Reagent (NaCl)

1. Identification of the substance/preparation and of the company/undertaking

Product name: Sodium Chloride Reagent (NaCl)
Chemical formula: NaCl
Art no: A09-9103, A09-9104, A09-9105, A12-9190, A12-9191
Synonyms: Sodium Chloride Buffer tablets, Sodium Chloride buffer, 0.9%, Sodium Chloride 3M, 5M
Manufacturer: Medicago AB
Danmark Berga
SE-755 98 Uppsala
Sweden
tel.: +46 (0) 18 56 11 80, fax: +46 (0) 18 56 11 88
Emergency phone: 112 (Sweden)

2. Hazards Identifications

Classification (Hazard class and category): Non-hazardous according to directive 67/548/EEC

3. Composition/information on ingredients

Water:	Mass/Volume (%):	> = 70%
	CAS no:	-
	EC no:	-
	Symbol:	-
	R-phrases:	-
	S-phrases:	-
Sodium Chloride	Mass/Volume (%):	>= 25% <= 30%
	CAS no:	-
	EC no:	-
	Symbol:	-
	R-phrases:	-
	S-phrases:	-

4. First-aid measures

Ingestion: Rinse mouth with plenty of water. Get medical attention.
Inhalation: Movement of exposed individual to area with fresh air. If breathing gets difficult, get medical advice.
Skin contact: Wash skin with soap and water.
Eye contact: Wash eyes with plenty of water.

5. Fire-fighting measures

Flammability of the product: No
Extinguishing media: Use dry chemical powder, water spray, foam or carbon dioxide.
Hazardous thermal (de)composition products: Carbon oxides, Sodium/Sodium oxides. Emits toxic fumes under fire conditions.
Special protective actions for fire fighters: Wear self-contained breathing apparatus and full turnout gear to prevent contact with skin and eyes.

6. Accidental release measures

Personal precautions:	Safety goggles. Full suit. Wear suitable respiratory equipment. Boots. Gloves.
Spill and leak:	Use appropriate tools to put the material in a waste disposal container. Avoid raising dust. Finish cleaning by spreading water on the contaminated surface and ventilate the room.

7. Handling and storage

Handling:	Do not breathe dust. Avoid contact with skin, eyes and clothing. Eating, drinking and smoking in work areas is prohibited.
Storage:	Keep tightly closed at room temperature.

8. Personal protection/exposure controls



Protective clothing:	
Personal protective equipment:	Safety goggles, gloves, wear suitable respiratory equipment, lab coat.
Engineering measures:	Safety shower and eye bath. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Hygiene measures:	Wash hands after handling compounds and before eating, smoking and using lavatory.

9. Physical and chemical properties

Appearance:	Solid, white
Odour:	none
pH:	6.0-8.0
Melting point/freezing point:	N/A
Initial boiling point and boiling range:	N/A
Flash point:	N/A
Evaporation rate:	N/A
Flammability:	N/A
Upper/lower flammability or explosive limits:	N/A
Vapour pressure:	N/A
Vapour density:	N/A
Relative density:	1.19g/cm ³
Solubility(ies):	N/A
Partition coefficient: n-octanol/water:	N/A
Auto-ignition temperature:	N/A
Decomposition temperature:	N/A
Viscosity:	N/A

10. Stability and reactivity

Stability and reactivity:	Stable
Possibility of hazardous reactions:	N/A
Conditions to avoid:	N/A
Incompatible materials:	Strong oxidizing agents
Hazardous decomposition products:	Hydrogen chloride gas

11. Toxicological information

Acute toxicity:	N/A
Germ cell mutagenicity:	N/A
Carcinogenicity:	N/A
Reproductive toxicity:	N/A

The toxicological properties are not fully investigated as far as we know.

Potential effects on health:

- Can cause irritation of the skin by exposure
- Inhalation may be dangerous or cause irritation in the respiratory tract.
- May be harmful if swallowed
- Can cause irritation of the eyes.

12. Ecological information

Ecotoxicity:	N/A
Toxicity of the products of biodegradation:	The products of degradation are less toxic than the product itself.
Persistence and degradation:	N/A
Bio accumulative potential:	N/A
Mobility in soil:	N/A

13. Disposal considerations

Disposal methods and containers: Contact a licensed professional waste disposal service (SKAB in Sweden) to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

14. Transport information

Shipping name (UN shipping name): N/A

UN-number: N/A

RID/ADR

Non-hazardous for road transport.

IMDG

Non-hazardous for sea transport

IATA

Non-hazardous for air transport

Special provisions for transport:

15. Regulatory information

Not hazardous according to Directive 67/548/EEC.

COUNTRY SPECIFIC INFORMATION

Germany: WGK: 1

Self-Classification

EU Regulations

Hazard symbol(s): none

Classification: Non hazardous

Risk Phrases: N/A

Safety Phrases: N/A

US Federal Regulations

TSCA:

HCS Classification:

16. Other information

Precautions and Disclaimer: For laboratory use only. Not for drug, household or other uses.

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Notice to reader

To the best of our knowledge, the information given is accurate. However, we do not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.