

Safety Data Sheet

Sodium Chloride



Section 1 Product Description

Product Name: Sodium Chloride
Recommended Use: Science education applications
Synonyms: Table Salt, Common Salt, Halite, Rock Salt
Distributor: Carolina Biological Supply Company
2700 York Road, Burlington, NC 27215
1-800-227-1150
Chemical Information: 800-227-1150 (8am-5pm (ET) M-F)
Chemtrec: 800-424-9300 (Transportation Spill Response 24 hours)

Section 2 Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

GHS Classification:

Other Safety Precautions: Not a dangerous substance according to GHS classification criteria.

Section 3 Composition / Information on Ingredients

<u>Chemical Name</u>	<u>CAS #</u>	<u>%</u>
Sodium chloride	7647-14-5	100

Section 4 First Aid Measures

Emergency and First Aid Procedures

Inhalation: In case of accident by inhalation: remove casualty to fresh air and keep at rest.
Eyes: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Skin Contact: After contact with skin, wash immediately with plenty of water.
Ingestion: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Section 5 Firefighting Procedures

Extinguishing Media: Use media suitable to extinguish surrounding fire.
Fire Fighting Methods and Protection: Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.
Fire and/or Explosion Hazards: No data available
Hazardous Combustion Products: No data available

Section 6 Spill or Leak Procedures

Steps to Take in Case Material Is Released or Spilled: No health affects expected from the clean-up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section 8 of this (M)SDS
Methods for Clean-up: Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

Section 7 Handling and Storage

Handling: Avoid creating and inhaling dust.
Storage: Keep container tightly closed in a cool, well-ventilated place.
Storage Code: Green - general chemical storage

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Section 8

Protection Information

<u>Chemical Name</u>	<u>ACGIH</u>	<u>OSHA PEL</u>
Sodium Chloride	(TWA) N/A	(STEL) N/A
(TWA)	(STEL)	(TWA)
N/A	N/A	N/A
(STEL)		
N/A		
Control Parameters		
Engineering Measures:		
No exposure limits exist for the constituents of this product. General room ventilation might be required to maintain operator comfort under normal conditions of use.		
Personal Protective Equipment (PPE):		
Lab coat, apron, eye wash, safety shower.		
Respiratory Protection:		
No respiratory protection required under normal conditions of use.		
Eye Protection:		
Wear chemical splash goggles when handling this product. Have an eye wash station available.		
Skin Protection:		
Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.		
Gloves:		
No information available		

Section 9

Physical Data

Formula: See Section 3	Vapor Pressure: No data available
Molecular Weight:	Evaporation Rate (BuAc=1): No data available
Appearance: White Crystals	Vapor Density (Air=1): No data available
Odor: None	Specific Gravity: No data available
Odor Threshold: No data available	Solubility in Water: No data available
pH: No data available	Log Pow (calculated): No data available
Melting Point: No data available	Autoignition Temperature: No data available
Boiling Point: No data available	Decomposition Temperature: No data available
Flash Point: No data available	Viscosity: No data available
Flammable Limits in Air: No data available	Percent Volatile by Volume: No data available

Section 10

Reactivity Data

Reactivity:	Not generally reactive under normal conditions.
Chemical Stability:	Stable under normal conditions.
Conditions to Avoid:	None known.
Incompatible Materials:	Bromine Trifluoride, Lithium
Hazardous Decomposition Products:	No data available
Hazardous Polymerization:	Will not occur

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Section 11

Toxicity Data

Routes of Entry: Ingestion.
Symptoms (Acute): Diarrhea, Abdominal Cramps, Vomiting, Impaired Kidney Function
Delayed Effects: No data available

Acute Toxicity:

Chemical Name	CAS Number	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Chloride	7647-14-5	Oral LD50 Mouse 4000 mg/kg	Not determined	Not determined

Carcinogenicity:

Chemical Name	CAS Number	IARC	NTP	OSHA
Sodium Chloride	7647-14-5	Not listed	Not listed	Not listed

Chronic Effects:

Mutagenicity: No evidence of a mutagenic effect.
Teratogenicity: No evidence of a teratogenic effect (birth defect).
Sensitization: No evidence of a sensitization effect.
Reproductive: No evidence of negative reproductive effects.
Target Organ Effects:
Acute: No information available
Chronic: No information available

Section 12

Ecological Data

Overview: This material is not expected to be harmful to the ecology.
Mobility: This material is expected to have very high mobility in soil. It does not absorb to most soil types.
Persistence: Dissolved into water
Bioaccumulation: Bioconcentration is not expected to occur.
Degradability: No data
Other Adverse Effects: No data

Chemical Name	CAS Number	Eco Toxicity
Sodium chloride	7647-14-5	96 HR LC50 LEPOMIS MACROCHIRUS 5560 - 6080 MG/L [FLOW-THROUGH] 96 HR LC50 LEPOMIS MACROCHIRUS 12946 MG/L [STATIC] 96 HR LC50 PIMEPHALES PROMELAS 6020 - 7070 MG/L [STATIC] 96 HR LC50 PIMEPHALES PROMELAS 7050 MG/L [SEMI-STATIC] 96 HR LC50 PIMEPHALES PROMELAS 6420 - 6700 MG/L [STATIC] 96 HR LC50 ONCORHYNCHUS MYKISS 4747 - 7824 MG/L [FLOW-THROUGH] 48 HR EC50 DAPHNIA MAGNA 1000 MG/L 48 HR EC50 DAPHNIA MAGNA 340.7 - 469.2 MG/L [STATIC]

Section 13

Disposal Information

Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.
Waste Disposal Code(s): This material is not considered to be a RCRA hazardous waste.

Section 14

Transport Information

Ground - DOT Proper Shipping Name: Not regulated for transport by US DOT.
Air - IATA Proper Shipping Name: Not regulated for air transport by IATA.

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Section 15

Regulatory Information

TSCA Status:

All components in this product are on the TSCA Inventory.

Chemical Name**CAS
Number****§ 313 Name****§ 304 RQ****CERCLA RQ****§ 302 TPQ****CAA 112(2)
TQ**

Sodium Chloride

7647-14-5

No

No

No

No

No

California Prop 65:

No California Proposition 65 ingredients

Section 16

Additional Information

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Replaces: 03/14/2024

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The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

Glossary

ACGIH	American Conference of Governmental Industrial Hygienists	NTP	National Toxicology Program
CAS	Chemical Abstract Service Number	OSHA	Occupational Safety and Health Administration
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act	PEL	Permissible Exposure Limit
DOT	U.S. Department of Transportation	ppm	Parts per million
IARC	International Agency for Research on Cancer	RCRA	Resource Conservation and Recovery Act
N/A	Not Available	SARA	Superfund Amendments and Reauthorization Act
		TLV	Threshold Limit Value
		TSCA	Toxic Substances Control Act
		IDLH	Immediately dangerous to life and health