1. Identification

Production Name: Sodium Chloride

Catalog Number: S016

Company: Caisson Laboratories

Address: 836 South 100 East, Smithfield UT 84335

Telephone: 435.755.7615

Fax: 435.755.7617

Emergency Contact, US: CHEMTREC 800.424.9300 (24/7)

Emergency Contact, International: CHEMTREC 703.527.3887 (24/7)

Recommended Use: For research and laboratory use only.

Restrictions on Use: This product is intended for research and laboratory use only. This product is not to be used as human or animal therapeutics, cosmetics, pesticidal products, food additives, or household chemicals.

2. Hazards Identification

Classification of the Substance or Mixture

GHS Classification: Not a hazardous substance or mixture

GHS Label Elements, Including Precautionary Statements

Signal Word: Not Hazardous

Hazard Statements: Not a hazardous substance or mixture

Precautionary Statements: Not a hazardous substance or mixture

Pictograms: N/A

3. Composition / Information on Ingredients

Synonyms: Salt; Sea Salt

Formula: NaCl

Molecular Weight: 58.44 g/mol

CAS-No: 7647-14-5

EC-No: 231-598-3

4. First Aid Measures

General Advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Route of Exposure

If Swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water.

In Case of Skin Contact: Wash area thoroughly with soap and water.

In Case of Eye Contact: In case of contact with eyes, flush with copious amounts of water.

If Inhaled: Safely remove victim to fresh air. If not breathing, institute cardiopulmonary resuscitation (CPR).

Most Important Symptoms and Effects, Both Acute and Delayed: The most important known symptoms and effects are described in Section 2 (Hazards Identification) and/or in Section 11 (Toxicological Information).

Recommendation for Immediate Medical Care and Special Treatment Needed: No Data Available

5. Firefighting Measures

Suitable Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media: No Data Available

Special Protective Equipment and Precautions for Firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Special Hazards Arising from the Substance or Mixture: Hydrogen chloride gas, Sodium oxides

Not combustible.

Additional Information: No Data Available

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.

Environmental Precautions: Prevent further leakage or spillage if safe to do so. See Section 2 (Hazards Identification) for more information.

Methods and Material for Containment and Cleanup: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. Handling and Storage

Precautions for Safe Handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.

Conditions for Safe Storage: Keep in a tightly closed container and store in a cool, dry, and well-ventilated area.

Recommended Storage Temperature: 15° to 30 °C

Incompatibilities: No Data Available

8. Exposure Controls / Personal Protection

OSHA Permissible Exposure Limits (PELs): Contains no substances with occupational exposure limit values.

ACGIH Threshold Limit Values (TLVs): Contains no substances with occupational exposure limit values.

Engineering Controls: Practice general industrial hygiene. Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment (PPE):

Eye/Face Protection: Face shield or appropriate safety glasses. Use equipment for eye protection tested and approved under appropriate standards.

Skin Protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Respiratory Protection: Respiratory protection is not required. Where protection from nuisance levels of dusts or vapors is desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate standards.

Body Protection: Wear lab coat, gown, or coveralls to protect from exposure.

9. Physical and Chemical Properties

Appearance: Fine White Granular Powder

pH: No Data Available

Solubility: Soluble in Water

Specific Gravity: No Data Available

Melting Point: 801°C (1474°F)

Melting Range: No Data Available

Freezing Point: No Data Available

Odor: Odorless

Odor Threshold: Not Applicable

Viscosity: No Data Available

Relative Density: No Data Available

Evaporation Rate: No Data Available

Initial Boiling Point and Boiling Range: 1413°C (2575°F)

Flash Point: No Data Available

Flammability (Solid, Gas): Not Flammable

Flammability Upper/Lower Limits: Not Applicable

Partition Coefficient: No Data Available

Vapor Density: No Data Available

Vapor Pressure: No Data Available

Auto-Ignition Temperature: No Data Available

Decomposition Temperature: 1000°C (1832°F)

10. Stability and Reactivity

Reactivity: No Data Available

Chemical Stability: Stable under recommended storage conditions.

Possibilities of Hazardous Reactions: Exothermic reaction with lithium, Risk of explosive/exothermic reaction with alkali metals

Conditions to Avoid: No Data Available

Incompatible Materials: No Data Available

Hazardous Decomposition Products: Hazardous decomposition products formed under fire conditions. – Hydrogen chloride gas, Sodium oxides

In the event of fire, see Section 5 (Firefighting Measures).

11. Toxicological Information

Toxicity: Skin – Rabbit Result: No skin irritation Remarks: (ECHA)

Eyes – Rabbit Result: No eye irritation Remarks: (ECHA)

LD50 Dermal – Rabbit – > 10,000 mg/kg Remarks: (RTECS)

Carcinogenicity: Did not show carcinogenic effects in animal experiments.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive Toxicity: Did not show teratogenic effects in animal experiments. No impairment of reproductive performance suspected.

Immediate Effects of Exposure: No Data Available

Delayed Effects of Exposure: No Data Available

Chronic Effects of Short Term Exposure: No Data Available

Chronic Effects of Long Term Exposure: No Data Available

Symptoms Associated with Overexposure: No Data Available

Specific Target Organ Toxicity – Single Exposure: No Data Available

Specific Target Organ Toxicity – Repeated Exposure: No Data Available

Target Organs: None Identified

Medical Conditions Aggravated by Exposure: None Identified

Likely Routes of Exposure:

Inhalation: No Data Available

Skin Contact: No Data Available

Eye Contact: No Data Available

Ingestions: No Data Available

NIOSH/RTECS: VZ4725000

12. Ecological Information

Toxicity: Toxicity to fish – flow-through test LC50 – Lepomis macrochirus (Bluegill) – 5,840 mg/l – 96 h (ECHA)

Toxicity to fish (Chronic toxicity) – flow-through test NOEC – Pimephales promelas (fathead minnow) – 252 mg/l – 33 d Remarks: (OECD Test Guideline 210)

Toxicity to daphnia and other aquatic invertebrates – static test EC50 – Daphnia magna (Water flea) – 874 mg/l – 48 h (ECHA)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) – semi-static test NOEC – Daphnia pulex (Water flea) – 314 mg/l – 21 d (OECD Test Guideline 211)

Toxicity to algae – static test LC50 – Daphnia magna (Water flea) – 4,136 mg/l – 48 h (OECD Test Guideline 202) Toxicity to algae static test EC50 – Nitzschia sp. – 2,430 mg/l – 120 h (OECD Test Guideline 201)

Persistence and Degradability: The methods for determining the biological degradability are not applicable to inorganic substances.

Bioaccumulative Potential: No Data Available

Mobility in Soil: No Data Available

Results of PBT and vPvB: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

Other Adverse Effects: No Data Available

13. Disposal Considerations

Disposal of Product: Dispose in accordance with all applicable federal, state, and local environmental regulations. See Section 2 (Hazards Identification) for additional guidelines in disposals.

Disposal of Packaging: Dispose of as unused product.

14. Transport Information

DOT (US):

Proper Shipping Name: CHEMICALS, N.O.S. (NON-REGULATED)

UN/NA number: N/A Class: N/A Packaging group: N/A Hazard Label: N/A

Reportable Quantity (RQ): N/A

Poison Inhalation Hazard: N/A

IMDG:

Proper Shipping Name: CHEMICALS, N.O.S. (NON-REGULATED)

UN number: N/A Class: N/A Packaging group: N/A Hazard Label: N/A

IATA:

Proper Shipping Name: CHEMICALS, N.O.S. (NON-REGULATED)

UN Number: N/A Class: N/A Packaging group: N/A Hazard Label: N/A

15. Regulatory Information

TSCA: Listed

SARA Title lll:

Section 302 (EHS) Ingredients: None

Section 304 (EHS/CERCLA) Ingredients: None

Section 311/312 Hazard: None

Section 313 Ingredients: None

16. Other Information

Further Information: All chemicals may pose unknown hazards and should be used with caution. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Caisson Laboratories, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.

CN-S016-SDS Revision Change Summary:

Rev.	Date	CR#	Approved	Change description
00	28-Jun-21	3727	E. Welker	New Document
01	17-Aug-23	3959	E. Welker	Update to new template. Update Sections 11 and 12.