

## Material Safety Data Sheet

# TABLE SALT

### 1. PRODUCT DESCRIPTION

**Product Name:** Salt  
**Common Synonym:** Sodium Chloride  
**CAS Number:** 7647-14-5  
**Formula:** NaCl  
**Distributor:** Carolina Biological Supply Company  
2700 York Road  
Burlington, NC 27215  
**Chemical Emergency Information:**  
800-227-1150 (8 am–5 pm [ET] M–F)  
**Chemtrec (Transportation Spill Response 24 hours):**  
800-424-9300

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Component:** Sodium Chloride (CAS #7647-14-5)  
**TLV and PEL units:** None established.

### 3. HAZARD IDENTIFICATION

**Emergency Overview:** Not likely to cause harm under normal use, but may be an irritant in certain circumstances.

**Potential Health Effects:**

**Eyes:** May cause irritation.

**Skin:** May cause irritation.

**Ingestion:** If ingested in large amounts, may cause gastrointestinal discomfort.

**Inhalation:** May cause irritation of upper respiratory tract.

### 4. FIRST AID MEASURES

**Eye Contact:** Wash with large amounts of water. Seek medical attention if irritation continues.

**Skin:** Wash with soap and water. Remove and wash contaminated clothing before reuse. Seek medical attention if irritation persists.

**Ingestion:** If ingested in large amounts, and if person is conscious, immediately administer large amounts of water by mouth. Get medical attention.

**Inhalation:** If large amounts are inhaled, remove from exposure; move to fresh air. Seek medical assistance if respiratory difficulty persists or develops.

### 5. FIREFIGHTING PROCEDURES

Not flammable and not explosive. Use extinguisher appropriate for surrounding materials.

### 6. SPILL OR LEAK PROCEDURES

Carefully sweep up, collect, and discard.

### 7. SPECIAL PRECAUTIONS

Avoid contact with eyes and skin. Avoid inhalation and avoid ingestion in large amounts.

### 8. SPECIAL PROTECTION INFORMATION

Respiratory protective equipment not required unless dust levels are high. Use appropriate dust mask if airborne levels are high. Steps should be taken to eliminate or minimize creation of respirable dust.

### 9. PHYSICAL DATA

**Melting Point:** 802°C.

**Boiling Point:** 1413°C.

**Vapor Pressure:** 2.4 mm Hg @ 747°C.

**Relative Density:** 2.165 g/mL.

**Solubility in Water:** Readily soluble.

**Appearance and Odor:** Solid crystals with no odor.

### 10. REACTIVITY DATA

**Stability:** Stable.

**Incompatibility:** Powerful oxidizing agents, iron, lithium, cement, concentrated acids.

**Hazardous Decomposition Products:** Reaction with concentrated acids will produce hydrogen chloride.

**Hazardous Polymerization:** Will not occur.

### 11. TOXICITY DATA

**Oral Rat LD50:** 3000 mg/kg.

### 12. ECOLOGICAL DATA

Readily soluble in water.

**Aquatic toxicity:** LD50, 96H, Fish = 6750 mg/L ED50, 48H, Daphnia = 2024 mg/L IC50, 72H, Algae = 3014 mg/L

### 13. DISPOSAL INFORMATION

Dispose in accordance with federal, state, and local regulations.

### 14. TRANSPORT INFORMATION

Not regulated.

(continued)

## Material Safety Data Sheet

# TABLE SALT (CONT.)

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### 15. REGULATORY INFORMATION

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N/A

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### 16. ADDITIONAL INFORMATION

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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. Any employer must carefully assess the applicability of any information contained herein in regards to the particular use to which the employer puts the material.

#### Glossary

**ACGIH** American Conference of Governmental Industrial Hygienists.

**CAS Number** Chemical Abstracts Service Number.

**CERCLA** Comprehensive Environmental Response, Compensation, and Liability Act.

**DOT** U.S. Department of Transportation.

**IARC** International Agency of Research on Cancer.

**N/A** Not Available.

**NTP** National Toxicology Program.

**OSHA** Occupational Safety and Health Administration.

**PEL** Permissible Exposure Limit.

**ppm** Parts per million.

**RCRA** Resource Conservation and Recovery Act.

**SARA** Superfund Amendments and Reauthorization Act.

**TLV** Threshold Limit Value.

**TSCA** Toxic Substances Control Act.