

## SODIUM CHLORIDE

### SECTION 1: PRODUCT IDENTIFICATION

**Product Name:** SODIUM CHLORIDE  
**Product Code:** TMB 069  
**CAS#:** 7647-14-5  
**Synonym:** Not Available  
**Chemical Name:** Not Available.  
**Chemical Formula:** NaCl

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

**Composition:**  
**Name:** SODIUM CHLORIDE  
**Toxicological Data on Ingredients:** Not Available

### SECTION 3: HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

**Potential Acute Health Effects:** Not a hazardous substance or mixture:

**Potential Chronic Health Effects:**

**Carcinogenic Effects:** Not Available

**Mutagenic Effects:** Not Available

**Teratogenic Effects:** Not Available

**Developmental Toxicity:** Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

### SECTION 4: FIRST AID MEASURES

**Eye Contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**Skin Contact:** Wash off immediately with soap and plenty of water. Cover the irritated skin with emollient. Immediate medical attention is required.

**Serious Skin Contact:** Not available.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Serious Inhalation:** Not Available.

**Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

**Serious Ingestion:** Not available.

### SECTION 5: FIRE FIGHTING MEASURES

**Flammability of the Product:** May be combustible at high temperature

**Auto-Ignition Temperature:** Not Available

**Flash Points:** Not Applicable

**Flammable Limits:** Not Applicable

**Products of Combustion:** Carbon oxides,

**Fire Hazards in Presence of Various Substances:** Slightly flammable in presence of heat.



**Explosion Hazards in Presence of Various Substances:**

**Risks of explosion of the product in presence of mechanical impact:** Not Available. Slightly explosive in presence of open flames and sparks.

**Risks of explosion of the product in presence of static discharge:** Not available

**Fire Fighting Media and Instructions:**

**Small fire:** Use DRY chemical powder.

**Large fire:** Use water spray, fog or foam. Do not use water jet.

**Special Remarks on Fire Hazards:** As with most organic solids, fire is possible at elevated temperatures.

**Special Remarks on Explosion Hazards:** Fine dust dispersed in air in sufficient concentrations, and in the presences of an ignition source is a potential dust explosion hazard.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Small Spill:** Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Large Spill:** Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

### SECTION 7: HANDLING AND STORAGE

**Precautions:** Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible.

**Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:**

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Personal Protection:** Safety glasses, Lab coat, Dust respirator, Gloves. Be sure to use an approved/certified respirator or equivalent.

**Personal Protection in Case of a Large Spill:**

Splash goggles, Full suit, Dust respirator, Boots, Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Exposure Limits:** Not Available.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

|                               |   |  |
|-------------------------------|---|--|
| Physical state and appearance | : | White or colourless crystalline powder |
| Odor                          | : | Odourless                              |
| Taste                         | : | Sweet                                  |
| Color                         | : | White                                  |
| Molecular Weight              | : | Not available                          |
| PH                            | : | 5.0-8.0                                |
| Boiling Point                 | : | Not available                          |
| Melting Point                 | : | Not available                          |
| Critical Temperature          | : | Not available                          |
| Specific Gravity              | : | Not available                          |



|                        |   |                  |
|------------------------|---|------------------|
| Vapor Pressure         | : | Not applicable   |
| Vapor Density          | : | Not available    |
| Volatility             | : | Not available    |
| Odor Threshold         | : | Not available    |
| Water/Oil Dist. Coeff. | : | Not available    |
| Ionicity (in Water)    | : | Not available    |
| Dispersion Properties  | : | Not available    |
| Solubility             | : | soluble in water |

#### SECTION 10: STABILITY AND REACTIVITY DATA

**Stability:** The product is stable.  
**Instability Temperature:** Not available  
**Conditions of Instability:** Not available  
**Incompatibility with various substances:** Not available  
**Corrosivity:** Non-corrosive in presence of glass.  
**Special Remarks on Corrosivity:** Non corrosive.  
**Special Remarks on Reactivity:** Not available  
**Polymerization:** Will Not occur.

#### SECTION 11: TOXICOLOGICAL INFORMATION.

**Routes of Entry:** Inhalation, Ingestion  
**Toxicity to Animals:**  
**LD<sub>50</sub>:** Not available  
**LC<sub>50</sub>:** Not available  
**Chronic Effects on Humans:** Not available  
**Other Toxic Effects on Humans:** Slightly hazardous in case of ingestion, of inhalation.  
**Special Remarks on Toxicity to Animals:** Not available  
**Special Remarks on Chronic Effects on Humans:** Passes through the placental barrier in human.  
**Special Remarks on other Toxic Effects on Humans:**  
**Potential Health Effects:** No acute exposure studies were found for SODIUM CHLORIDE, EXTRA PURE in humans. The dust is predicted to be irritating to the eyes, skin, and respiratory tract from mechanical action. Inhalation of SODIUM CHLORIDE, EXTRA PURE aerosols may cause pulmonary edema. It may cause occupational asthma from pulmonary sensitization. Acute ingestion may affect the liver (fatty liver degeneration).

#### SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** Not Available.  
**BOD and COD:** Not Available.  
**Products of Biodegradation:** Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.  
**Toxicity of the Products of Biodegradation:** Not Available.  
**Special Remarks on the Products of Biodegradation:** Not Available

#### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal:**  
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

#### SECTION 14: TRANSPORT INFORMATION



**DOT Classification:** Not a DOT controlled material (United States).

**Identification:** Not applicable.

**Special Provisions for Transport:** Not applicable.

### SECTION 15: REGULATORY INFORMATION

**Federal and State Regulations:** TSCA 8(b) inventory: Dextrose monohydrate.

**Other Regulations:** Not available.

**Other Classifications:**

**WHMIS (Canada):** Not controlled under WHMIS (Canada).

**DSCL (EEC):**

This product is not classified according to the EU regulations. Not applicable.

**HMIS (U.S.A.):**

**Health Hazard:** 1

**Fire Hazard:** 1

**Reactivity:** 0

**Personal Protection:** E

**National Fire Protection Association (U.S.A.):**

**Health:** 1

**Flammability:** 1

**Reactivity:** 0

**Specific hazard:** Not Available.

**Protective Equipment:** Gloves, Lab coat, Safety glasses, Dust respirator - be sure to use an approved/certified respirator or equivalent.

### SECTION 16: OTHER INFORMATION

**References: Full text of H AND R-Statements.** Not available

**Other Special Considerations:** Not available

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