

## SAFETY DATA SHEET (SDS)

Sodium Chloride

### 01. Product and Company Identification

**Product Identifier:**

**Trade Name:** Sodium Chloride  
**Chemical Name:** Sodium Chloride  
**Catalog Number:** 35071008, 35071059,  
**Part of Kits:** 35063030, 35070206, 35061126, 35062611, 35060944  
**Use of chemical:** Laboratory chemicals

**Identification of Manufacturer:**

**Manufacturer/Supplier:** Biochemical Diagnostics, Inc.  
 180 Heartland Blvd., Edgewood, NY 11717  
 Phone: (631) 595-9200 | Fax: (631) 595-9204  
**Emergency telephone number:** (800) 255-3924

### 02. Hazard(s) Identification

**Classification of substance or mixture:**

Not a hazardous substance or mixture.

**Label elements:**

**Hazard pictograms**

Not a hazardous substance or mixture

**Signal word:** None

**Hazard statements:**

None

**Precautionary statements:**

None

**Classification system:**

**NFPA ratings (scale 0 - 4)**



Health = 1  
 Fire = 0  
 Reactivity = 0

**HMIS-ratings (scale 0 - 4)**

HEALTH	1
FIRE	0
REACTIVITY	0

Health = 1  
 Fire = 0  
 Reactivity = 0

### 03. Composition/information on ingredients

**Chemical Characterization:** Substance

**CAS No. Description** : 7647-14-5

**Formula** : NaCl

**Molecular weight** : 58.44 g/mol

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### 04. First aid measures

**Description of first aid measures:**

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration.

**Ingestion:** Rinse mouth with water.

**Skin Contact:** Wash with soap and plenty of water.

**Eye Contact:** Flush eyes with water as a precaution.

### 05. Firefighting measures

**Extinguishing media:** Water spray, Dry chemical, alcohol-resistant foam, or carbon dioxide.

**Special Fire Fighting Procedures:** Wear proper protective equipment w/Self contained breathing apparatus if necessary.

**Unusual Fire and Explosion Hazards:** None identified.

### 06. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:**

Avoid breathing vapors, mist or gas. Avoid dust formation.

**Environmental precautions:**

Do not let product enter drains.

**Methods and material for containment and cleaning up:**

Sweep up.

**Waste Disposal Method:**

Dispose in accordance with state, local and federal regulations.

### 07. Handling and storage

**Handling:**

**Precautions for safe handling:** The potential for combustible dust formation should be taken into consideration before additional processing occurs.

**Conditions for safe storage, including any incompatibilities:**

**Requirements to be met by storerooms and receptacles:** Store in well-ventilated, cool, dry conditions in well-sealed receptacles.

**Further information about storage conditions:**

### 08. Exposure controls/ personal protection

**Exposure Controls:**

**Control parameters:**

**Components with limit values that require monitoring at the workplace:**

Contains no substances with occupational exposure limit values.

**Personal protective equipment:**

**General protective and hygienic measures:** General laboratory hygiene practice.

**Eye Protection:** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin Protection:** Wear protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact

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**Protection of Hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Dispose of gloves after use.

**Respiratory Protection:** Not required.

**Ventilation:** Not required.

### 09. Physical and chemical properties

**Appearance:**

**Form:** Solid

**Color:** Colorless

**Odor:** Odorless

**pH:** N/A

**Melting Point:** 801 °C (1,474 °F)

**Boiling Point:** 1,413 °C (2,575 °F)

**Flash Point:** N/A

**Ignition temperature:** N/A

**Explosion limits: Lower:** N/A

**Upper:** N/A

**Vapor Pressure @ 20°C:** <1 mmHg

**Specific Gravity @ 20°C (68°F):** 2.1650 g/cm<sup>3</sup>

**Vapor Density:** N/A

**Percent Volatile:** N/A

**Evaporation Rate:** N/A

**Flammable Limits in air % by volume: Lel:** N/A

**Uel:** N/A

**Solubility in/ Miscibility with Water@20°C:** 358 g/l

### 10. Stability and reactivity

**Stability:** Stable

**Incompatibility:** Strong oxidizing agents

**Conditions to Avoid:** N/A

**Hazardous Polymerization:** Will not occur

**Hazardous Decomposition:** Hydrogen chloride gas, Sodium oxides

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**11. Toxicological information****Acute toxicity:****LD/LC50 values that are relevant for classification:**

LD50 Oral – rat – 3550 mg/kg  
LC50 Inhalation – rat – 1 h > 42,000 mg/m<sup>3</sup>  
LD50 Dermal – rabbit - >10,000 mg/kg

**Potential health effects:****On the skin:** no data available.**On the eye:** no data available.**Inhalation:** no data available.**Ingestion:** May be harmful if swallowed in large quantities.**16. Other Information****Revision B, June 2015**

*The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, we make no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for a particular purpose. Accordingly, we will not be responsible for damages of any kind resulting from the use of or reliance upon such information. No representations, or warranties, either express or implied of merchantability fitness for a particular purpose or of any other nature made hereunder with respect to the information set forth herein or to the product which the information refers.*