

# FLINN SCIENTIFIC, INC.

## Material Safety Data Sheet (MSDS)

MSDS #: 721.00

Revision Date: October 14, 2011

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### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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#### Sodium Chloride

Flinn Scientific, Inc. P.O. Box 219 Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

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### SECTION 2 — COMPOSITION, INFORMATION ON INGREDIENTS

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Sodium chloride

Synonym: Table salt

CAS#: 7647-14-5

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### SECTION 3 — HAZARDS IDENTIFICATION

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White crystals. Odorless.

Very slightly toxic by ingestion. Dust may cause minor irritation to mucous membranes upon inhalation. Not for human use.

#### FLINN AT-A-GLANCE

Health-0

Flammability-0

Reactivity-0

Exposure-0

Storage-0

0 is low hazard, 3 is high hazard

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### SECTION 4 — FIRST AID MEASURES

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Call a physician and seek medical attention for further treatment, observation, and support after first aid.

Inhalation: Remove to fresh air at once. If breathing has stopped, give artificial respiration immediately.

Eye or External: Immediately flush with fresh water for at least 15 minutes.

Internal: Rinse mouth. Give large quantities of water for dilution.

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### SECTION 5 — FIRE FIGHTING MEASURES

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Noncombustible solid.

When heated to decomposition, emits toxic fumes of Cl and Na<sub>2</sub>O.

**Fire Fighting Instructions:** Use triclass, dry chemical fire extinguisher. Firefighters should wear PPE and SCBA with full facepiece operated in positive mode.

#### NFPA CODE

None

established

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### SECTION 6 — ACCIDENTAL RELEASE MEASURES

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Restrict unprotected personnel from area. Sweep up, place in sealed bag or container and dispose. Ventilate area and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

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### SECTION 7 — HANDLING AND STORAGE

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Flinn Suggested Chemical Storage Pattern: Inorganic #2. Store with acetates, halides, sulfates, sulfites, thiosulfates and phosphates. Store in a cool dry place. Keep container tightly closed.

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### SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

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Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and chemical-resistant apron.

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

White crystalline powder. Odorless.

Solubility: Soluble in water and glycerol; slightly in alcohol.

Formula: NaCl

Formula weight: 58.443

Boiling point: 1465 °C

Melting point: 801 °C

Specific gravity: 2.17

Not for human use

**SECTION 10 — STABILITY AND REACTIVITY**

Reacts violently with bromine trifluoride and lithium. Avoid contact with strong oxidizers, acids, bromine.

Shelf life: Fair, somewhat hygroscopic.

**SECTION 11 — TOXICOLOGICAL INFORMATION**

Acute effects: Irritant, dehydration

Chronic effects: N.A.

Target organs: Investigated as a mutagen, reproductive effector.

ORL-RAT LD<sub>50</sub>: 3000 mg/kg

IHL-RAT LC<sub>50</sub>: >42 g/m<sup>3</sup> 1Hr

SKN-RBT LD<sub>50</sub>: >10 mg/kg

N.A. = Not available, not all health aspects of this substance have been fully investigated.

**SECTION 12 — ECOLOGICAL INFORMATION**

Data not yet available.

**SECTION 13 — DISPOSAL CONSIDERATIONS**

Please review all federal, state and local regulations that may apply, before proceeding.

Flinn Suggested Disposal Method #26a is one option.

**SECTION 14 — TRANSPORT INFORMATION**

Shipping name: Not regulated

Hazard class: N/A

UN number: N/A

N/A = Not applicable

**SECTION 15 — REGULATORY INFORMATION**

TSCA-listed, EINECS-listed (231-598-3).

**SECTION 16 — OTHER INFORMATION**

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**Consult your copy of the *Flinn Science Catalog/Reference Manual*  
for additional information about laboratory chemicals.**