

# SAFETY DATA SHEET

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## SECTION 1. IDENTIFICATION

**Product Identifier:** (5N) 99.999% Sodium Chloride

**Product Code:** NA-CL-05

**CAS Number:** 7647-14-5

**Relevant identified uses of the substance:** Scientific research and development

Supplier details:

American Elements  
10884 Weyburn Ave.  
Los Angeles, CA 90024  
Tel: +1 310-208-0551  
Fax: +1 310-208-0351  
Emergency telephone number:  
+1 800-424-9300

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## SECTION 2. HAZARDS IDENTIFICATION

Not classified as dangerous according to EC directives.

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## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT NAME	CAS No.	% CLASS	HEALTH RISK	UN No.
Sodium Chloride	7647-14-5	100%	N.R. N.R.	None -

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## SECTION 4. FIRST AID MEASURES

**GENERAL:** Consult a Physician for specific advice

**EYES:** Irrigate thoroughly with water, if discomfort persists obtain medical attention.

**SKIN:** Wash off thoroughly with soap and water.

**INHALATION:** Remove from exposure, rest and keep warm. In severe cases seek medical attention.

**INGESTION:** Wash out mouth thoroughly with water. Induce vomiting if conscious. Obtain medical attention.

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## **SECTION 5. FIREFIGHTING MEASURES**

FLASH POINT: Not Ignitable. Not Applicable

AUTO IGNITION TEMP: Not Applicable

EXTINGUISHING MEDIA: Not Applicable

UNUSUAL FIRE HAZARDS: May evolve toxic fumes in a fire.

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## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

CONTAMINATION CLEANUP: Wear suitable protective clothing & equipment as listed under Exposure / Personal protection. Mix with sand, transfer carefully to container and arrange removal by disposal company. Wash site of spillage thoroughly with water and detergent. For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.

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## **SECTION 7. HANDLING AND STORAGE**

USAGE PRECAUTIONS: No special precautions

STORAGE PRECAUTIONS: Store at room temperature (15 to 25°C recommended). Keep well closed and protected from moisture.

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## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Protective gloves made of polyvinyl alcohol (PVA) are required. Use of a laboratory coat is suggested. Safety goggles or safety glasses with side shields are required if there is any possibility of chipping or dust creation. Respirators must be worn when the threshold limit is exceeded. Provide adequate general mechanical ventilation, and local exhaust ventilation. When handling quantities of this material, be sure to wear appropriate protective equipment as described. Eye wash should be readily available.

Wash thoroughly after handling. Do not take internally. Avoid breathing dust when generated. For persons with sensitive existing medical conditions, medical advice should be sought before employing on tasks involving exposure to this material.

EXPOSURE LIMITS OES, not assigned (Long term, 8 hour TWA)

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## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE : Clear transparent crystalline pieces

pH IN AQUEOUS SOLUTION: No data available

BOILING POINT (760mm Hg) 1461°C

MELTING POINT: 800°C

FLASH POINT: Not Applicable

FLAMMABILITY: Not Applicable

EXPLOSIVE PROPERTIES: Not Applicable

SPECIFIC GRAVITY: 2.17

Vapor PRESSURE: Not Applicable

SOLUBILITY IN WATER: Very soluble (35.7g/100g water at 0°C)

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## **SECTION 10. STABILITY AND REACTIVITY**

STABILITY: Stable under normal conditions of storage or use.

HAZARDOUS DECOMPOSITION: No data.

MATERIALS TO AVOID: Strong Acids

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## **SECTION 11. TOXICOLOGICAL INFORMATION**

TOXIC DOSE - LD50 3000mg/kg oral, rat.

CARCINOGENICITY No evidence of carcinogenic properties.

MUTAGENICITY/TERATOGENICITY No evidence of mutagenic effects.

TOXICOLOGICAL FINDINGS No evaluation of toxicological data is available.

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## **SECTION 12. ECOLOGICAL INFORMATION**

No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.

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## **SECTION 13. DISPOSAL CONSIDERATIONS**

DISPOSAL METHODS: Non hazardous and non-regulated solid waste. Contact your local waste disposal authority for advice, or pass to a chemical disposal company.

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## **SECTION 14. TRANSPORT INFORMATION**

CLASSIFICATION: Not classified as dangerous according to EC directives EC-No.:231-598-3

LABEL FOR SUPPLY: None

RISK PHRASES: None

SAFETY PHRASES: None

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## **SECTION 15. REGULATORY INFORMATION**

N/A

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## **16. OTHER INFORMATION**

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the

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