**MATERIAL SAFETY DATA SHEET**

**Section 1 - Chemical Product and Company Identification**

**MSDS Name:** Sodium Chloride, Reagent ACS (Crystals), 99% (Tit.)

**Catalog Numbers:**
- AC424290000, AC424290010, AC424290030, AC424290250, AC424295000
- CAS No.: 7647-14-9 (Sodium chloride), 99%

**Company Identification (USA):**
- Acros Organics
- One Reagent Lane
- Fair Lawn, NJ 07410

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**Section 2 - Composition, Information on Ingredients**

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Chemical Name</th>
<th>%</th>
<th>RTECS#</th>
</tr>
</thead>
<tbody>
<tr>
<td>7647-14-9</td>
<td>Sodium chloride</td>
<td>99%</td>
<td>231-598-3</td>
</tr>
</tbody>
</table>

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**Section 3 - Hazards Identification**

**Emergency Overview**

Appearance: Colorless or white solid.

Caution: May cause respiratory tract irritation. May cause eye and skin irritation. May cause gastrointestinal irritation. May cause respiratory tract irritation with nausea, vomiting, and diarrhea.

Target Organs: Blood, lungs, male reproductive system.

**Potential Health Effects**

**Eyes:** May cause eye irritation.

**Skin:** May cause skin irritation. Ingestion: Ingestion of large amounts may cause gastrointestinal irritation. Ingestion of large amounts may cause nausea and vomiting, rigidity or convulsions. Continued exposure can produce coma, dehydration, and internal organ damage.

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

**Chronic:** No information found.

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**Section 4 - First Aid Measures**

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**Skin:** Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

**Ingestion:** If victim is conscious and alert, give 2-4 cups of milk or water. Get medical aid if irritation develops or persists. Wash clothing before reuse.

**Inhalation:** Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

**Toxicologist:** Treat symptomatically.

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**Section 5 - Fire Fighting Measures**

**General Information:**

**Explosion Limits:** Upper Not Available

**NFPA Rating:**
- Health: 1
- Flammability: 0
- Instability: 0

**Section 6 - Accidental Release Measures**

**General Information:** Use proper personal protective equipment as indicated in Section 9. Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment Section. Avoid generating dusty conditions.

**Section 7 - Handling and Storage**

**Handling:** Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Do not ingest or inhale.

**Storage:** Store in a cool, dry, well-ventilated area away from incompatible substances.

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**Section 8 - Exposure Controls, Personal Protection**

**Engineering Controls:**

Adequate general ventilation should be sufficient to control airborne levels. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

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**Section 9 - Physical and Chemical Properties**

**Physical State:** Solid
**Color:** Colorless or white
**Odor:** Odorless
**PH:** Not Available
**Vapor Pressure:** Not Available
**Vapor Density:** Not Available
**Evaporation Rate:** Not Available
**Viscosity:** Not Available
**Boiling Point:** 1775 deg F
**Flash Point:** Not Available
**Decomposition Temperature:** Not Available
**Solubility in Water:** Soluble in water
**Specific Gravity/Density:** 2.165
**Molecular Formula:** NACL
**Molecular Weight:** 58.442

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**Section 10 - Stability and Reactivity**

**Chemical Stability:**

**Conditions to Avoid:** High temperatures.

**Incompatibilities with Other Materials:**

Reacts with moist nonmetallic substances such as iron or steel, building materials (such as cement), bromine, or trifluoride. Potentially explosive reaction with dichloromethane and chloroform. Electrolysis of mixtures with potassium compounds may form explosive nitroglycerin.

**Hazardous Decomposition Products:**

Toxic fumes of sodium oxide.

**Hazardous Polymerization:**

Has not been reported.

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**Section 11 - Toxicological Information**

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**Employee Training:**

5,845
Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**SECTION 12 - ECOLOGICAL INFORMATION**

Ecotoxicity:
No information found.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**SECTION 14 - TRANSPORT INFORMATION**

US DOT
No information available.

Canadian TDG
No information available.

**SECTION 15 - REGULATORY INFORMATION**

US FEDERAL
TSCA
CAS# 7647-14-5 is listed on the TSCA inventory.

SARA
Section 302 Extremely Hazardous Substance
None of the chemicals in this product have a PQQ.

Section 303 Extremely Hazardous Substance
None of the chemicals in this product have a PQQ.

SARA Codes
CAS# 7647-14-5: acute.

Section 313
No chemicals are reportable under Section 313.

Clean Air Act:
This material does not contain any hazardous air pollutants.

Clean Water Act:
None of the chemicals in this product are listed as Hazardous Substances under the CWA.

OSHA
None of the chemicals in this product are considered highly hazardous by OSHA.

STATE
Sodium Chloride is not present on state lists from CA, PA, MN, MA, Fl, or NJ.