Section 1 - Chemical Product and Company Identification

**MSDS Name:**
Sodium acetate, ACS

**Catalog Numbers:**
LC22820

**Synonyms:**
Acetic acid, sodium salt, trihydrate

**Company Identification:**
LabChem, Inc.
200 William Pitt Way
Pittsburgh, PA 15238

**Company Phone Number:**
(412) 826-5230

**Emergency Phone Number:**
(800) 424-9300

**CHEMTREC Phone Number:**
(800) 424-9300

Section 2 - Composition, Information on Ingredients

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Chemical Name</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>6131-90-4</td>
<td>Sodium acetate trihydrate</td>
<td>100%</td>
</tr>
</tbody>
</table>

Section 3 - Hazards Identification

**Appearance:** *White crystals*

**Caution:** May cause eye and skin irritation. May cause respiratory tract irritation. Hygroscopic (absorbs moisture from the air).

**Target Organs:** None.

**Potential Health Effects**

**Eye:**
May cause eye irritation.

**Skin:**
May cause skin irritation.

**Ingestion:**
Ingestion of large amounts may cause gastrointestinal irritation.

**Inhalation:**
No hazard expected in normal industrial use.

**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:
Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion:
If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

Inhalation:
Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Section 5 - Fire Fighting Measures

General Information:
As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Combustion generates toxic fumes.

Extinguishing Media:
For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

Autoignition Temperature:
599 deg C (1,110.20 deg F)

Flash Point:
No information found.

NFPA Rating:
Health-1; flammability-1; reactivity-0

Explosion Limits:
Lower: n/a Upper: n/a

Section 6 - Accidental Release Measures

General Information:
Use proper personal protective equipment as indicated in Section 8.

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. Provide ventilation. Place under an inert atmosphere. Do not get water inside containers.
Material Safety Data Sheet  
Sodium acetate, ACS

Section 7 - Handling and Storage

Handling:
Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid breathing dust.

Storage:
Keep from contact with oxidizing materials. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:
Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>NIOSH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium acetate trihydrate</td>
<td>none listed</td>
<td>none listed</td>
<td>none listed</td>
</tr>
</tbody>
</table>

OSHA Vacated PELs:
Sodium acetate trihydrate: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes:
Do not wear contact lenses when working with chemicals. An eye wash fountain should be available in the immediate work area. Wear appropriate protective eyeglasses or chemical safety goggles as described in 29 CFR 1910.133.

Skin:
Wear appropriate protective gloves to prevent skin exposure.

Clothing:
Wear appropriate protective clothing to prevent skin exposure.

Respirators:
Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Crystalline powder</td>
</tr>
<tr>
<td>Color</td>
<td>White</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>pH</td>
<td>8.9 (1M aq soln)</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available</td>
</tr>
</tbody>
</table>
Material Safety Data Sheet
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**Viscosity:** Not available
**Boiling Point:** 253°F
**Freezing/Melting Point:** 136°F
**Decomposition Temperature:** Not available
**Solubility in water:** Soluble
**Specific Gravity/Density:** 1.45
**Molecular Formula:** C2H3O2Na.3H2O
**Molecular Weight:** 136.08

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### Section 10 - Stability and Reactivity

**Chemical Stability:**
Stable at room temperature in closed containers under normal storage and handling conditions.

**Conditions to Avoid:**
Exposure to moist air or water.

**Incompatibilities with Other Materials:**
Strong oxidizing agents.

**Hazardous Decomposition Products:**
Carbon monoxide, carbon dioxide.

**Hazardous Polymerization:**
Has not been reported.

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### Section 11 - Toxicological Information

**RTECS:**
CAS# 6131-90-4: AJ4580000

**LD50/LC50:**
CAS# 6131-90-4: Not available

**Carcinogenicity:**
CAS# 6131-90-4: Not listed by ACGIH, IARC, NTP, or CA Proposition 65.

**Epidemiology:**
No information available.

**Teratogenicity:**
No information available.

**Reproductive:**
No information available.

**Mutagenicity:**
Mutagenic effects have occurred in experimental animals.

**Neurotoxicity:**
No information available.

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### Section 12 - Ecological Information

**Ecotoxicity:**
No data available. Acute aquatic effects (for anhydrous sodium acetate) 96-hour LC50; Fathead minnow: GT 100 mg/L 96-hour LC50; Water flea: GT 1000 mg/L. This chemical has a high biological oxygen demand, and it is expected to cause significant oxygen depletion in aquatic systems. It has a low
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Environmental:
This chemical is readily biodegradable and is not likely to bioconcentrate.

Physical:
None reported

Section 13 - Disposal Considerations

Dispose of in accordance with Federal, State, and local regulations.

Section 14 - Transport Information

US DOT
Shipping Name: Not regulated.
Hazard Class:
UN Number:
Packing Group:

Section 15 - Regulatory Information

US Federal
TSCA:
CAS# 6131-90-4 is not on the TSCA Inventory because it is a hydrate. It is considered to be listed if the CAS number for the anhydrous form is on the inventory (40CFR720.3(u)(2)).

SARA Reportable Quantities (RQ):
CAS# 6131-90-4 does not have a RQ.

CERCLA/SARA Section 313:
Not reportable under Section 313.

OSHA - Highly Hazardous:
Not considered highly hazardous by OSHA.

US State
State Right to Know:
CAS# 6131-90-4 is not listed on the following state right to know lists: California, Florida, New Jersey, Pennsylvania, Minnesota, and Massachusetts.

California Regulations:
Not listed.

European/International Regulations
Canadian DSL/NDSL:
CAS# 6131-90-4 is listed on Canada’s DSL List.

Canada Ingredient Disclosure List:
CAS# 6131-90-4 is not listed on the Ingredient Disclosure List.
Section 16 - Other Information

MSDS Creation Date: August 31, 2006
Revision Date: None

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