

Name:	Acetic acid sodium acetate trihydrate reagent acs (crystals) Material Safety Data Sheet
Synonym:	Sodium salt, Sodium acetate trihydrat
CAS:	6131-90-4

Section 1 - Chemical Product

MSDS Name: Acetic acid sodium acetate trihydrate reagent acs (crystals)

Synonym: Sodium salt, Sodium acetate trihydrate

Section 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	content	EINECS#
6131-90-4	Sodium acetate, Trihydrate	100	unlisted

Hazard Symbols: None Listed.

Risk Phrases: None Listed.

Section 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Hygroscopic.

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.

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 soap and water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:

If victim is conscious and alert, give 2-4 cupfuls of milk or water.

Get medical aid.

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.

Notes to Physician:

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 water spray, dry chemical, carbon dioxide or chemical foam.

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.

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.

Storage:

Store in a cool, dry place. Keep from contact with oxidizing materials.

Section 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:

Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment Eyes: Wear safety glasses with side shields.

Skin:

Wear appropriate gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Crystals

Appearance: white

Odor: odorless

pH: 8.9 (0.1M Solution)

Vapor Pressure: Not available.

Viscosity: Not available.

Boiling Point: 253 deg F

Freezing/Melting Point: 136 deg F

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

Flash Point: Not available.

Explosion Limits, lower: Not available.

Explosion Limits, upper: Not available.

Decomposition Temperature: Not available.

Solubility in water: Soluble in water, ether

Specific Gravity/Density: 1.45

Molecular Formula: $C_2H_3O_2Na \cdot 3H_2O$

Molecular Weight: 136.08

Section 10 - STABILITY AND REACTIVITY

Chemical Stability:

Stable.

Conditions to Avoid:

Incompatible materials.

Incompatibilities with Other Materials:

Strong oxidizers Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Has not been reported.

Section 11 - TOXICOLOGICAL INFORMATION

RTECS#:

CAS# 6131-90-4: AJ4580000 LD50/LC50:

Not available.

Carcinogenicity:

Sodium acetate, Trihydrate - Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Other:

See actual entry in RTECS for complete information.

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity:

Actual 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 potential affect aquatic organisms.

Section 13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - TRANSPORT INFORMATION

IATA

Not regulated as a hazardous material.

IMO

Not regulated as a hazardous material.

RID/ADR

Not regulated as a hazardous material.

Section 15 - REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 6131-90-4: 1

United Kingdom Occupational Exposure Limits

Canada

None of the chemicals in this product are listed on the DSL/NDSL list.

CAS# 6131-90-4 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

US FEDERAL

TSCA

CAS# 6131-90-4 is not on the TSCA Inventory. It is a hydrate and exempt from TSCA Inventory requirements (40CFR720.3(u)(2)).