



## SAFETY DATA SHEET

(according to (EC) 1907/2006)

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Sodium Acetate Trihydrate

##### Synonyms:

Sodium acetate, trihydrate Acetic acid, sodium salt

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Not applicable

#### 1.3. Details of the supplier of the safety data sheet

**Manufacturer Information:** Vertellus Health & Specialty  
Products LLC, P.O. Box 730,  
Delaware Water Gap, PA 18327  
USA

**Non-Emergency Fax Number:**

570-421-9012

**E-Mail Address:**

msds@vertellus.com

**Non-Emergency Phone Number:** 800-344-3426

#### 1.4. Emergency telephone number

Vertellus: 800-344-3426

CHEMTREC (USA): (800) 424-9300

(collect calls accepted); (Int'l): (703) 527-3887

(collect calls accepted; 011 prefix not needed)

### SECTION 2: Hazards identification

HMIS Rating	
HEALTH	1
FLAMMABILITY	1
REACTIVITY	0

#### 2.1. Classification of the substance or mixture

(According to Regulation (EC) No 1272/2008)

Not classified as hazardous under this directive.

##### Signal Word:

Not required.

##### Hazard Precautions:

Not classified as hazardous under this directive.

#### 2.2. Label elements



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### Prevention Precautions:

Note: These precautionary statements are not prescribed by directive 1272/2008 as this product is not classified as hazardous under this directive. Wash hands thoroughly after handling with soap and water. Wear protective gloves, protective clothing, eye protection and face protection. If swallowed, in eyes, on skin or inhaled call a poison center or doctor/physician if you feel unwell. If inhaled, remove victim to fresh air and keep at rest in a comfortable position for breathing. Take off contaminated clothing before reuse. Store in a well-ventilated place. Keep container tightly closed.

### First Aid Precautions:

Not required.

### Storage Precautions:

Not required.

### Disposal Precautions:

Not required.

### Single Exposure Target Organs:

Not applicable

### Repeated Exposure Target Organs:

Not applicable

### (According to Directive 67/548/EEC)

**Symbol:** Not classified as hazardous under this directive.

**Risk Phrases:** Not classified as hazardous under this directive.

**Safety Phrases:** Not classified as hazardous under this directive.

### 2.3. Other hazards

**Signs and Symptoms of Potential Overexposure:** Not likely to be toxic by ingestion. Single dose oral toxicity is low. Have a trained medical professional induce vomiting immediately. Never give anything by mouth to an unconscious person. Single exposure to vapors or mist is not likely to be hazardous. Continued or prolonged contact may irritate the skin and cause a skin rash (dermatitis). Contact with eyes may cause slight irritation.

**Primary Route(s) of Exposure:** Skin contact and absorption, eye contact, ingestion, inhalation.

**Medical Conditions Aggravated by Exposure:** No data found

## SECTION 3: Composition/information on ingredients

### 3.1. Substances or 3.2. Mixtures

Ingredient	CAS Number	Concentration (%)	EINECS / ELINCS	EU Symbol	Risk Phrases
Sodium Acetate Trihydrate	6131-90-4	99	204-823-8 (anhydrous form)	N/A	Not applicable

**NOTE:** See Section 8 of this MSDS for exposure limit data for these ingredients.  
See Section 15 of this MSDS for trade secret information (where applicable).  
See Section 16 of this MSDS for the full text of the R-phrases above.



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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- Skin Contact:** Wash with soap and water. Get medical attention if irritation develops or persists.
- Eye Contact:** Rinse eyes immediately with large amounts of water for at least 15 minutes, occasionally lifting the eyelids. GET MEDICAL ATTENTION.
- Inhalation:** Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately. Get medical attention immediately.
- Ingestion:** If swallowed, do not induce vomiting. Get prompt medical attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

- Acute:** Not likely to be toxic by ingestion. Single dose oral toxicity is low. Have a trained medical professional induce vomiting immediately. Never give anything by mouth to an unconscious person. Single exposure to vapors or mist is not likely to be hazardous. Continued or prolonged contact may irritate the skin and cause a skin rash (dermatitis). Contact with eyes may cause slight irritation.
- Delayed Effects:** None known.

#### 4.3. Indication of any immediate medical attention and special treatment needed

- Thermal Exposure:** Not applicable.
- Note to Physician:** No additional first aid information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Appropriate Extinguishing Media:** Carbon dioxide Dry chemical Alcohol foam Water spray

#### 5.2. Special hazards arising from the substance or mixture

- Hazardous Products of Combustion:** None Known
- Potential for Dust Explosion:** not available
- Special Flammability Hazards:** Material may burn, but does not ignite readily. Avoid high temperature.

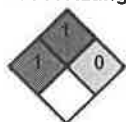
#### 5.3. Advice for firefighters

- Basic Fire Fighting Guidance:** Evacuate area and fight fire from a safe distance.  
As in any fire, wear pressure-demand self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.  
Not known to be sensitive to mechanical impact or static discharges.  
Vapors may form flammable/explosive mixture with air.  
Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition.
- Flammability Classification (OSHA):** Not applicable.



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NFPA Rating



### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

**Evacuation Procedures:** Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

**Special Instructions:** Remove all contaminated clothing to prevent further absorption. Decontaminate affected personnel using the first aid procedures in Section 4. Leather shoes that have been saturated must be discarded.

#### 6.2. Environmental precautions

Prevent releases to soils, drains, sewers, and waterways.

#### 6.3. Methods and material for containment and cleaning up

**Containment Techniques and Clean-up Procedures:** Contain spilled liquid with sand clay. DO NOT use combustible materials such as sawdust. LARGE SPILLS: Shut off leak if safe to do so. Retain all contaminated water for treatment.

**Special Reporting Requirements:** Not applicable.

#### 6.4. Reference to other sections

Refer to section 8 for information on selecting personal protective equipment. Refer to section 13 for information on spilled product, absorbent and clean up material disposal instructions.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Precautions for Unique Hazards:** Not applicable.

**Practices to Minimize Risk:** Wear appropriate protective equipment when performing maintenance on contaminated equipment. Wash hands thoroughly before eating or smoking after handling this material.

**Special Handling Equipment:** Not applicable.

#### 7.2. Conditions for safe storage, including any incompatibilities

**Storage Precautions & Recommendations:** Keep container closed when not in use.

**Dangerous Incompatibility Reactions:** Can react vigorously with oxidizing materials.

**Incompatibilities with Materials of Construction:** none known

#### 7.3. Specific end use(s)

If a chemical safety assessment has been completed an exposure scenario is attached as an annex to this Safety Data Sheet. Refer to this annex for the specific exposure scenario control parameters for uses identified in subsection 1.2.



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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Exposure Limits (United States): OSHA PEL: Not established ACGIH TLV: Not established

#### 8.2. Exposure controls

Also see the annex to this SDS (if applicable) for specific exposure scenario controls.

**Personal Protective Equipment:** Safety glasses or chemical goggles. Chemical goggles; face shields if necessary.

**Respirator Caution:** Observe OSHA regulations for respirator use (29 CFR 1910.134). Air-purifying respirators must not be used in oxygen-deficient atmospheres.

**Ventilation:** All operations should be conducted in well-ventilated conditions. Local exhaust ventilation should be provided. Local exhaust ventilation is recommended when generating excessive levels of vapors from handling or thermal processing.

**Other Engineering Controls:** All appropriate engineering controls should be used to minimize exposure potential. Use exhaust ventilation to keep airborne concentrations below exposure limits.

**Thermal Hazards:** Not applicable.

**Additive or Synergistic Effects:** None known.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance, State &amp; Odor (ambient temperature):</b>	Acetic acid odor White crystals/granules		
<b>Molecular Formula:</b>	Not applicable	<b>Molecular Weight:</b>	Not applicable
<b>Vapor Pressure:</b>	Not applicable	<b>Evaporation Rate:</b>	Not applicable
<b>Specific Gravity or Density:</b>	1.4500000	<b>Vapor Density (air = 1):</b>	Not applicable
<b>Boiling Point:</b>	Not applicable	<b>Freezing / Melting Point:</b>	136.4 °F 136.4 °F
<b>Solubility in Water:</b>	1.2g/ml	<b>Octanol / Water Coefficient:</b>	Not applicable
<b>pH:</b>	Not applicable	<b>Odor Threshold:</b>	Not applicable
<b>Viscosity:</b>	Not applicable	<b>Autoignition Temperature:</b>	Not applicable
<b>Flash Point and Method:</b>	302 deg F (150 deg C) (COC)	<b>Flammable Limits:</b>	Not applicable (LEL) – Not applicable (UEL)

#### 9.2. Other information

Not applicable.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Not classified as dangerously reactive.



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<u>10.2. Chemical stability</u>	Stable
<u>10.3. Possibility of hazardous reactions</u>	Hazardous polymerization will not occur
<u>10.4. Conditions to avoid</u>	Oxidizing materials
<u>10.5. Incompatible materials</u>	Can react vigorously with oxidizing materials.
<u>10.6. Hazardous decomposition products</u>	Products of incomplete combustion may include CO, CO <sub>2</sub> , NO <sub>x</sub> , and dense smoke.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute Oral LD <sub>50</sub> :	Oral LD <sub>50</sub> (rat) 3530 mg/kg
Acute Dermal LD <sub>50</sub> :	Dermal LD <sub>50</sub> (rabbit) > 10000 mg/kg
Acute Inhalation LC <sub>50</sub> :	Not available.
Skin Irritation:	Mildly irritating to skin.
Skin Sensitization:	No data available.
Eye Irritation:	Mildly irritating to eyes.
Target Organs:	No data available.
Carcinogenicity:	No data available.
Teratogenicity:	No data available.
Reproduction:	No data available.
Neurotoxicity:	No data available.
Mutagenicity:	No data available.

### SECTION 12: Ecological information

<u>12.1. Toxicity</u>	Not available.
<u>12.2. Persistence and degradability</u>	No data No data available.
<u>12.3. Bioaccumulative potential</u>	No data
<u>12.4. Mobility in soil</u>	No data
<u>12.5. Results of PBT and vPvB assessment</u>	Not available.
<u>12.6. Other adverse effects</u>	No data available. Not available.

### SECTION 13: Disposal considerations



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### 13.1. Waste treatment methods

US EPA Waste Number:	Not applicable
Waste Classification: (per US regulations)	The waste may be classified as "special" or hazardous per State regulations. NOTE: Generator is responsible for proper waste characterization. State (USA) hazardous waste regulations may differ substantially from federal (USA) regulations.
Waste Disposal:	Dispose of this material in accordance with standard practice for disposal of potentially hazardous materials as required by applicable international, national, regional, state or local laws. Do NOT dump into any sewers, on the ground, or into any body of water. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. Note that disposal regulations may also apply to empty containers and equipment rinsates.

## SECTION 14: Transport information

14.1. UN number	Not applicable		
14.2. UN proper shipping name	Chemicals, n.o.s. (Sodium Acetate Trihydrate)		
14.3. Transport hazard class(es)	Not applicable		
14.4. Packing group	Not applicable		
14.5. Environmental hazards	Not applicable		
14.6. Special precautions for user	Not available.		
NA Emergency Guidebook Numbers:	Not applicable	IMDG EMS:	Not applicable
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.		

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

OSHA Hazards:      Health: Possible Irritant.      Physical: Not applicable.

WHMIS Classification: Not Controlled

#### Chemical Inventory Lists:

	Status
TSCA:	Present (as anhydrous form CAS No.: 127-09-3)
EINECS:	204-823-8 (as anhydrous form)
Canada(DSL/NDL):	DSL (as anhydrous form CAS No.: 127-09-3)
Japan:	(2)-692
Korea:	KE-00061 (as anhydrous form CAS No.: 127-09-3)
Australia:	Present (as anhydrous form CAS No.: 127-09-3)
New Zealand:	Present (as anhydrous form CAS No.: 127-09-3)
China:	Present (as anhydrous form CAS No.: 127-09-3)



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Philippines:	Present (as anhydrous form CAS No.: 127-09-3)
Switzerland:	Not listed.
New Zealand GHS Classification:	Not classified by this country.
Japan GHS Classification:	Not classified by this country.
Korea (MOL) GHS Classification:	Not classified by this country.
Australia GHS Classification:	Not classified by this country.
Taiwan GHS Classification:	Not classified by this country.
Indonesia GHS Classification:	Not classified by this country.
SARA 313:	Not applicable.

### 15.2. Chemical safety assessment

Not applicable.

## SECTION 16: Other information

Full text of R phrases in Section 3: Not applicable





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**Legend of abbreviations:**

ACGIH = American Conference on Governmental Industrial Hygienists.  
CAS = Chemical Abstracts Service.  
CERCLA = Comprehensive Environmental, Response, Compensation and Liability Act (1990).  
CFR = Code of Federal Regulations.  
DSL/NDSL = Domestic Substances List/Non-Domestic Substances List.  
EC = European Community.  
EEC = European Economic Community.  
EINECS = European Inventory of Existing Commercial chemical Substances.  
ELINCS = European List of Notified Chemical Substances.  
EU = European Union.  
GHS = Globally Harmonized System.  
LC = Lethal concentration.  
LD = Lethal dose.  
MOL = Ministry of Labor.  
NEMA = National Emergency Management Agency.  
NFPA = National Fire Protection Association.  
NIOSH = National Institute of Occupational Safety and Health.  
NTP = National Toxicological Program.  
OSHA = Occupational Safety and Health Administration  
PEL = Permissible exposure limit.  
RQ = Reportable quantity.  
SARA = Superfund Amendments and Reauthorization Act of 1986.  
TLV = Threshold limit value.  
WHMIS = Workplace Hazardous Materials Information System.

**Precautionary Statement:** Please note that the information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers.

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**Issued By:** Regulatory Management Department

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