

# SAFETY DATA SHEET

according to 2012 OSHA Hazard Communication Standard (29CFR 1910.1200) as amended



## Sodium acetate trihydrate

Creation date 01st February 2024  
Revision date Version 1

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

#### Product identifier

Chemical name Sodium acetate trihydrate  
CAS number sodium acetate trihydrate  
6131-90-4  
EC (EINECS) number 612-115-9  
Registration number 01-2119485123-42-0000

#### Recommended use

Preservative. Industrial chemicals Laboratory chemical substances.

#### Substance uses advised against

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

#### Distributor

Name or trade name Macco Organiques, s.r.o.  
Address Zahradní 1938/46c, Bruntál 1, 792 01  
Czech Republic  
Identification number (CRN) 26819210  
VAT Reg No CZ26819210  
Phone +420 555 530 300  
E-mail macco@macco.cz

### Emergency telephone number

CHEMTREC®, Inside the USA: 800-424-9300

CHEMTREC®, Outside the USA: 001-703-527-3887

### SECTION 2: Hazards identification

#### Classification of the substance or mixture

This chemical **is not considered hazardous** by the 2012 OSHA Hazard Communication Standard (29CFR 1910.1200)

#### Most serious adverse physico-chemical effects

Not specified.

#### Most serious adverse effects on human health and the environment

May cause skin irritation, respiratory tract irritation, eye irritation.

### Label elements

none required

### Hazard not otherwise classified (HNOC)

none identified

### SECTION 3: Composition/information on ingredients

Identification numbers	Substance name	Content in % weight	Classification according to 29CFR 1910.1200	Note
CAS: 6131-90-4 EC: 612-115-9 Registration number: 01-2119485123-42-0000	<b>substance main component</b> sodium acetate trihydrate	99-100		

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### SECTION 4: First aid measures

Take care of your own safety. In the event of unconsciousness, do not provide food by mouth. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

#### Inhalation

Terminate the exposure immediately; move the affected person to fresh air. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance.

#### Skin contact

Remove contaminated clothes. And wash it before reuse. Wash the affected area with plenty of water, lukewarm if possible. Provide medical treatment if skin irritation persists.

#### Eye contact

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. No neutralization should be performed in any case! Depending on the situation, call medical rescue service or ensure medical treatment.

#### Ingestion

Rinse out the mouth with clean water. DO NOT INDUCE VOMITING! In the event of issues, find medical help.

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

#### Inhalation

Not expected. May cause respiratory irritation.

#### Skin contact

Not expected. Possible irritation. Irritation, itching, redness. **Eye**

#### contact

Not expected. Possible irritation.

#### Ingestion

Not expected. Irritation, nausea.

#### Note to Physician

Symptomatic treatment.

### SECTION 5: Firefighting measures

#### Suitable extinguishing media

Accommodate extinguishing components to the location of fire. Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

#### Unsuitable extinguishing media

Water - full jet.

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

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage. The substance is flammable, but difficult to ignite.

#### Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves. Use a self-contained breathing apparatus and full-body protective clothing.

### SECTION 6: Accidental release measures

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

Follow the instructions in the Sections 7 and 8. Provide sufficient ventilation. Avoid dust formation. Do not inhale dust. Prevent contact with skin and eyes.

#### Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

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

Place the product mechanically in an appropriate manner. Dispose of the collected material according to the instructions in the section 13. After removal of the product, wash the contaminated site with plenty of water.

#### Reference to other sections

See the Section 7, 8 and 13.

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### SECTION 7: Handling and storage

#### Precautions for safe handling

Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection. Do not eat, drink or smoke when using this product. Do not inhale dust. Prevent contact with skin and eyes.

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

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose.

Storage temperature <58 °C

#### Specific end use(s)

not available

### SECTION 8: Exposure controls/personal protection

#### Control parameters

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

#### Appropriate engineering controls

Good ventilation, showers, eyewash station

#### Personal protective equipment

Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest. Provide showers and eye wash possibility. Follow the usual measures intended for health protection at work and especially for good ventilation.

#### Eye/face protection

EN166 - Personal Eye Protection Standard.

#### Skin protection

When handling in long-term or repeatedly, use protective gloves. EN ISO 374-1.

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection. Respirator.

#### Thermal hazard

Not available.

#### Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.

### SECTION 9: Physical and chemical properties

#### Appearance

Physical state

solid, crystalline, powder

Colour

white

Odour

without fragrance

pH

8.0-9.5 (5% solution at 20 °C)

Melting point/freezing point

58 °C

Boiling point or initial boiling point and boiling range

cannot be determined - decomposition occurs

Flash point

not determined

Evaporation rate

not applicable

Flammability

non-flammable

Upper and lower explosion limit

data not available

Vapour pressure

0 Pa at 20 °C

Vapour density

not applicable

relative density

1.4462

Solubility in water

easily dissolvable in cold water

Solubility Ethanol

soluble

Solubility Acetone

insoluble

Partition coefficient n-octanol/water (log value)

-3.72

Auto-ignition temperature

607°C

Decomposition temperature

123 °C

Kinematic viscosity

not applicable

Oxidising properties

It is not oxidising.

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### SECTION 10: Stability and reactivity

#### Reactivity

The substance is non-flammable.

#### Chemical stability

The product is stable under normal conditions.

#### Possibility of hazardous reactions

Unknown.

#### Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost. Heat. Humid air.

#### Incompatible materials

Protect against strong acids, bases and oxidizing agents. May be corrosive to metals.

#### Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

### SECTION 11: Toxicological information

#### Acute toxicity

Based on available data the classification criteria are not met.

sodium acetate trihydrate						
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
Oral	LD <sub>50</sub>		4562 mg/kg bw		Rat	M
Inhalation	LC <sub>50</sub>	OECD 403	>9.6 mg/l of air	4 hours	Rat	F
Dermal	LD <sub>50</sub>	OECD 402	>46893 mg/kg bw		Rabbit	

#### Skin corrosion/irritation

Based on available data the classification criteria are not met.

sodium acetate trihydrate				
Route of exposure	Result	Method	Exposure time	Species
Dermal	Not irritating	OECD 404	72 hours	Rabbit

#### Serious eye damage/irritation

Based on available data the classification criteria are not met.

sodium acetate trihydrate				
Route of exposure	Result	Method	Exposure time	Species
Eye	Not irritating	OECD 405	72 hours	Rabbit

#### Respiratory or skin sensitisation

No data available for the substance. Based on available data the classification criteria are not met.

#### Germ cell mutagenicity

No data available for the substance. Based on available data the classification criteria are not met.

#### Carcinogenicity

No data available for the substance. Based on available data the classification criteria are not met.

IARC - not listed; NTP - not listed; ACGIH - not listed; OSHA - not listed; Mexico - not listed

#### Reproductive toxicity

No data available for the substance. Based on available data the classification criteria are not met.

#### Toxicity for specific target organ - single exposure

No data available for the substance. Based on available data the classification criteria are not met.

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### Toxicity for specific target organ - repeated exposure

No data available for the substance. Based on available data the classification criteria are not met.

### Aspiration hazard

No data available for the substance. Based on available data the classification criteria are not met.

### Endocrine disruptor information

The substance does not have endocrine disrupting properties.

## SECTION 12: Ecological information

### Ecotoxicity

#### Acute toxicity

Based on available data the classification criteria are not met.

sodium acetate trihydrate						
Parameter	Method	Value	Exposure time	Species	Environment	Value determination
LC <sub>50</sub>	OECD 203	>166 mg/l	96 hours	Fish (Danio rerio)		Semi static system
EC <sub>50</sub>	OECD 202	>1500 mg/l	48 hours	Daphnia (Daphnia magna)		Static system
ErC <sub>50</sub>	ISO 10253	>1658 mg/l	72 hours	Algae (Skeletonema costatum)		
EC <sub>50</sub>		>12000 mg/l	16 hours	Bacteria (Pseudomonas putida)		Static system

### Persistence and degradability

The following data are available.

#### Biodegradability

sodium acetate trihydrate					
Parameter	Method	Value	Exposure time	Environment	Result
	OECD 301A		28 days	Atmosphere	Easily biodegradable

### Bioaccumulative potential

No data available for the substance.

### Mobility in soil

No data available for the substance.

### Other adverse effects

Not available.

## SECTION 13: Disposal considerations

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

## SECTION 14: Transport information UN number or ID number

not subject to transport regulations

### UN proper shipping name

not relevant

### Transport hazard class(es)

not relevant

### Packing group

not relevant

### Environmental hazards

not relevant

### Special precautions for user

Reference in the Sections 4 to 8.

### Maritime transport in bulk according to IMO instruments

not relevant

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### SECTION 15: Regulatory information

#### United States of America Inventory

##### TSCA

##### TSCA Inventory notification - Active-Inactive

##### TSCA - EPA Regulatory Flags

not listed (Sodium acetate, CAS nr. 127-09-3: Listed)  
not listed (Sodium acetate, CAS nr. 127-09-3: Active)  
not listed (Sodium acetate, CAS nr. 127-09-3: Not listed)

TSCA 12(b) - Notices of Export

not applicable

#### U.S. Federal Regulations

SARA 311/312 Hazard Categories

See section 2 for more information

SARA 313 Reportable Ingredients, 40CFR372

Not applicable

CWA (Clean Water Act), section 307/311:

Not applicable

CAA (Clean Air Act)

Not applicable

CERCLA

Not applicable

OSHA - Occupational Safety and Health Administration

Not applicable

#### U.S. State Regulations

California Proposition 65  
Right-to-Know Regulations

This product does not contain any Proposition 65 chemicals.  
not applicable

#### U.S. Department of Transportation

Reportable Quantity (RQ):

N

DOT Marine Pollutant

N

DOT Severe Marine Pollutant

N

U.S. Department of Homeland Security

This product does not contain any DHS chemicals.

#### Other International Regulations

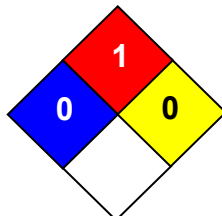
Mexico - Grade

No information available

### SECTION 16: Other information

#### NFPA (National Fire Protection Association)

Health	0
Flammability	1
Reactivity	0
Special Hazard	None



4: Extreme, 3: High, 2: Moderate, 1: Slight, 0: Insignificant; OX: Oxidiser, W: Water Reactives, SA: Simple Asphyxiants

#### Competent person responsible for the safety data sheet

Name

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Creation Date

01-Feb-2024

Revision Date

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Revision Summary

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#### Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.

**End of SDS**



