MATERIAL SAFETY DATA SHEET

SODIUM ACETATE ANHYDROUS

Date of issue: 26.03.2024
Review: -
VERSION EN: 1.0

This MSDA complies with EC Regulation 1907/2006 dated 18.12.2006 - REACH and 2020/878 dated 18.06.2020.

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

SODIUM ACETATE ANHYDROUS
CAS no. 127-09-3
WE no. 204-823-8

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

Identified uses: Food industry, pharmaceutical industry, tanning industry, household chemicals, chemical syntheses and as a chemical reagent

Use advised against: Other than those listed

1.3 Data of the supplier of the material safety data sheet.

Distributor:

TOMCHEM Sp. z o.o.
95-050 Konstantynów Łódzki
ul. Niesięcin 5A
tel. 42 683-11-83
tel./fax.: 42-636-43-18

1.4 Emergency phone no.: 112 (general emergency telephone), 998 (fire brigade), 999 (medical emergency);

SECTION 2. Identification of hazards.

2.1 Classification of the substance / mixture.

Classification and labeling in accordance with Regulation (EC) 1272/2008 (as amended). The product is not classified as hazardous according to the Regulation (EC) 1272/2008.

2.2 Symbols and labels:

Pictograph: not applicable.

Signaling word: not applicable.

Hazard statements: not applicable.

Precautionary statements: not applicable.

2.3 Other hazards:

Appendix XIII to the Regulation REACH - Criteria of identification of persistent, bioaccumulative and toxic substances (PBT) and very persistent and very bioaccumulative substances (vPvB) - not applicable
Substances with endocrine disrupting properties (according to the criteria of Commission Delegated Regulation (EU) 2017/2100, Regulation (EU) 2018/605) - not applicable

SECTION 3. Composition/information on ingredients.

3.1 Substances:

Product identifier	Content %	Hazard class and category codes	Hazard statements	Specific threshold, M factor,

			and supplementary phrases	Estimated Acute Toxicity (ATE)
Sodium acetate anhydrous CAS number: 127-09-3 EC no. 204-823-8	100	-	-	-

Full text of H statements in section 16
*substance with a specific NDS value.

SECTION 4. First aid.

4.1 Description of the first aid measures:

Contact with skin:

Remove contaminated clothing, wash the skin with plenty of running water. If irritation occurs, seek medical advice.

Contact with eyes:

Flush eyes with plenty of water for several minutes, keep eyelids wide open. Avoid heavy stream of the water as the cornea may be damaged. In case of discomfort seek medical advice.

If inhaled:

Take a victim away from the exposure area, provide fresh air. In case of discomfort seek medical advice.

If swallowed:

Rinse mouth with water. If you feel unwell or have other symptoms, seek medical attention.

4.2 Common symptoms and effects, both acute and delayed:

No available data.

4.3 Indication of any immediate medical attention and special treatment needed. No available data.

SECTION 5. Firefighting measures.

5.1 Extinguishing media:

Suitable extinguishing agents: use extinguishing agents suitable for materials stored nearby, such as dry extinguishing agents, carbon dioxide (CO_2), dispersed water streams and alcohol-resistant foam.

Inappropriate extinguishing media: heavy water stream.

5.2 Special hazards arising from the substance or mixture:

Hazardous vapors/fumes may be emitted during a fire.

5.3 Advice for firefighters:

Apply independent breathing mask and full protective clothes. Prevent the release of fire extinguishers to the sewer system, surface water, groundwater, and soil.

SECTION 6. Accidental release measures.

6.1 Personal precautions, protective equipment and emergency procedures.

Avoid production and inhaling dust. Avoid contact with skin and eyes. Ensure good ventilation in confined spaces. Use clothing and personal protective equipment.

6.2 Protective measures regarding the environment:

Do not allow this material to enter drains, surface or ground water, or soil.

6.3 Methods and materials preventing contamination and intended for cleaning up:

Carefully collect spilled product, avoiding dust generation, into a labeled, sealed container for disposal. Clean up the contaminated area.

6.4 References to other sections

See section 8 for details on protective equipment. Remove acc. to recommendations presented in the section 13.

SECTION 7. Handling and storage.

7.1 Precautions regarding safe handling

Do not eat, drink or smoke during work. Avoid skin and eye contact, avoid swirling and inhalation of dust; observe personal hygiene; use protective clothing and equipment. Work in well ventilated areas.

7.2 Conditions for safe storage, including information on any incompatibilities

Store the substance in properly labeled, tightly closed containers, in a dry, cool and well-ventilated place, away from sources of heat and ignition.

7.3 Specific end use(s)

No information available.

SECTION 8. Exposure controls/personal protection.

8.1 Control parameters:

Provide adequate ventilation.

Values of maximum allowable concentrations:

Ordinance of the Minister of Family, Labor and Social Policy of June 12, 2018 on the maximum permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws 2018, item 1286, as amended).

Chemical substance and CAS number	NDS [mg/m^3]	NDSCh [mg/m^3]	NDSP [mg/m^3]	Remarks: Labeling the substance with the "skin" notation
Not applicable.				

DNEL and PNEC values:

Workers - inhalation hazard:
DNEL 1057.9 mg/m³ Long-term exposure
DNEL 6347.36 mg/m³ Acute/short-term exposure
Workers - dermal hazard:
DNEL 12 mg/kg bw/day Long-term exposure
DNEL 72 mg/kg bw/day Acute/short term exposure

Population - inhalation hazard:
DNEL 521.73 mg/m³ Long-term exposure
DNEL 3103.45 mg/m³ Acute/short-term exposure
Population - oral hazard:
DNEL 6 mg/kg bw/day Long-term exposure
DNEL 36 mg/kg bw/day Acute/short term exposure

8.2 Exposure controls:

Provide adequate ventilation, including adequate local exhaust ventilation, process guards or other safeguards to keep worker exposure to the substance as low as possible in the work environment. Select appropriate protective clothing for the workplace, depending on the concentration and amount of the substance. The chemical resistance of protective clothing should be determined by the manufacturer.

Respiratory track protection

If dust is generated, use a respirator equipped with a P1 or better respirator in accordance with DIN EN 143, DIN 14387 and other relevant standards for the respiratory protection system used.

Hands protection

Chemical resistant gloves made of nitrile rubber or other material recommended by the glove manufacturer for contact with this product. The durability time and type of material is determined by the glove manufacturer. Protective gloves for chemicals tested according to EN 374.
Full contact: Material: Nitrile rubber. Minimum thickness: 0.11mm Penetration time 480 min

Eye protection

Use protective goggles or a face shield (according to standard EN 166).

Body protection

Protective clothing.

Do not allow product to reach sewage system, surface water or soil. The employer is obliged to ensure that the personal protective equipment used, as well as work clothing and footwear, have protective and functional properties, and ensure that they are properly washed, maintained, repaired and decontaminated.

SECTION 9. Physical and chemical properties.

9.1 Information on basic physical and chemical properties:

Physical state	solid
Color	white
Odor	faint, acetic acid
Melting / solidification temperature	324 °C
Preliminary boiling temperature and range of boiling temperatures:	no data
Flammability of materials	non-flammable
Lower and upper explosive limit:	not applicable
Flash point	no data
Self-ignition temperature	no data
Decomposition temperature	no data

pH	no data
Kinematic viscosity	no data
Solubility in water	246 g/dm^3 (20˚C)
Partition coefficient n-octanol/water (log ratio value)	no data
Vapor pressure	no data
Density or relative density	1,528 g/cm^3 (20˚C)
Relative vapor density	no data
Particle characteristics	

9.2 Other information:

Explosives	Not applicable
Flammable gases	Not applicable
Aerosols	Not applicable
Oxidizing properties	Not applicable
Gases under pressure	Not applicable
Flammable liquids	Not applicable
Flammable solids	Not applicable
Self-reactive substances and mixtures	Not applicable
Pyrophoric liquids	Not applicable
Pyrophoric solids	Not applicable
Self-heating substances and mixtures	Not applicable
Substances and mixtures that emit flammable gases when in contact with water	Not applicable
Oxidizing liquids	Not applicable
Oxidizing solids	Not applicable
Organic peroxides	Not applicable
Substances that cause corrosion of metals	Not applicable
Desensitized explosives	Not applicable

SECTION 10. Stability and reactivity.

10.1 Reactivity:

There is no specific reactivity test data for this product or its components. Hygroscopic substance.

10.2 Chemical stability

The product is persistent under standard conditions of the environment.

10.3 Possibility of occurrence of hazardous reactions:

Hazardous reactions possible in contact with strong oxidizing agents.

10.4 Conditions to be avoided:

Strong heating, ignition sources, water / moisture.

10.5 Incompatible materials:

No data.

10.6 Hazardous products of the decomposition:

Under normal conditions of use and storage, hazardous decomposition of the product should not occur.

SECTION 11. Toxicological information.

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

a)	Acute toxicity	On the basis of the available data the criteria of classification are not satisfied. LD50 oral, mouse 6891 mg/kg LD50 oral, rat 3530 mg/kg
b)	skin corrosion/irritation	On the basis of the available data the criteria of classification are not satisfied.
c)	serious damage to eyes/eyes irritation:	On the basis of available data the criteria of classification are not satisfied.
d)	skin / respiratory track sensitizing	On the basis of available data the criteria of classification are not satisfied.
e)	mutagenic for reproductive cells	On the basis of available data the criteria of classification are not satisfied.
f)	carcinogenicity	On the basis of the available data the criteria of classification are not satisfied.
g)	reproductive toxicity	On the basis of the available data the criteria of classification are not satisfied.
h)	specific target organ toxicity - single	On the basis of available data the criteria of classification are not satisfied.
i)	specific target organ toxicity - repeated	On the basis of available data the criteria of classification are not satisfied.
j)	aspiration hazard	On the basis of the available data the criteria of classification are not satisfied.

11.2 Information on other hazards

Substances with endocrine disrupting properties (according to the criteria of Commission Delegated Regulation (EU) 2017/2100, Regulation (EU) 2018/605) - determined

SECTION 12. Ecological information.

12.1 Toxicity:

LC50 500 ppm fish Sunfish 24 hr
LC50 500 ppm fish Leuciscus idus melanotus 48 hr
EC50 > 1000 mg/dm^3 daphnia Daphnia magna 48 hr
EC50 7200 mg/dm^3 Pseudomonas putida 18 hr
EC50 22500 mg/dm^3 bacteria Photobacterium phosphoreum 15 min.
EC10 or NOEC for algae: 417.92mg/L
EC50 for microorganisms: 7.2g/L

12.2 Persistence and decomposition:

Biodegradable product.

12.3 Bio-accumulation capability:

The product has a low bioaccumulation potential (log Pow <3).

12.4 Mobility in a soil:

Calculated soil adsorption coefficient: Koc: 1, Log Koc: 0.000

12.5 Results of assessment of PBT and vPvB properties:

No PBT and vPvB assessment has been carried out because no chemical safety assessment is required / performed.

12.6 Endocrine disrupting properties Do not allow entering water, sewage and soil.

12.7 Other harmful effects: No data.

SECTION 13. Wastes disposal.

13.1 Methods of wastes utilization:

Avoid production of wastes or limit them maximally if possible. Significant amounts of waste product should not be discharged into the sanitary sewer system, but should be treated at an appropriate treatment facility. Dispose of excess product or product that cannot be recycled by a licensed hazardous waste disposal company. The product, solutions, or derived products must be disposed of in accordance with environmental protection requirements and in compliance with waste disposal legislation and local authority requirements.

Waste Law of December 14, 2012. (Journal of Laws 2013 item 21 as amended)
Law of June 13, 2013 on management of packaging and packaging waste (Journal of Laws 2013 item 888 as amended). Ordinance of the Minister of Environment dated 2 January 2020 on catalog of wastes (Journal of Laws 2020 item 10 as amended).

SECTION 14. Transport information.

14.1 UN number or ID number

Not applicable.

14.2 Proper UN transport name

Not applicable.

14.3 Transport hazard class

Not applicable.

14.4 Packaging group

Not applicable.

14.5 Hazard for environment

Not applicable.

14.6 Special precautions for user

Not applicable.

14.7 Sea transport in bulk according to IMO instruments

Not applicable.

SECTION 15. Information on legal regulations.

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

Regulation (EC) No. 1907/2006 dated 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), Regulation (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures - amending and repealing the Directive 67/548/EEC and 1999/45/EC, and Regulation (EC) No. 1907/2006 (REACH).
Law of October 24, 2011 on the Transportation of Dangerous Goods (Journal of Laws of 2011, No. 227, item 1367, as amended), Government Decree of March 13, 2023 on the entry into force of the amendments to Appendices A and B to the Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), signed in Geneva on September 30, 1957.
Waste Law of December 14, 2012. (Journal of Laws 2013 item 21 as amended).
Law on Packaging and Packaging Waste Management of June 13, 2013 (Journal of Laws 2013 item 888 as amended), Law of February 25, 2011 on chemical substances and their mixtures (Journal of Laws 2011 No. 63 item 322 as amended).
Law of June 26, 1974, Labor Code (consolidated text: Journal of Laws No. 21, item 94 of 1998, as amended).
Ordinance of the Minister of Family, Labor and Social Policy dated July 3, 2018 on the maximum permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws 2018 item 1286, as amended).

15.2 Assessment of chemical safety:

Chemical safety assessment has not been conducted.

SECTION 16. Other information

H statements:

Not applicable.

Description of applied abbreviations, acronyms and symbols:

NDS – The Highest Permissible Concentration

NDSP – The Highest Upper Limit Concentration

NDSCh – The Highest Temporary Concentration
DNEL - derived dose level (concentration) at which no harmful changes are observed.
PNEC: Predicted No Effect Concentration
LC50 - (lethal concentration) - median lethal concentration, a statistically determined concentration of a substance, after exposure to which 50 percent of the organisms (exposed to the substance) can be expected to die during the exposure or during a specified contractual post-exposure period.
LD50 (lethal dose) - median lethal dose, the statistically determined size of a single dose of a substance after which 50% of the exposed test organisms can be expected to die.
EC50 - (effective concentration) - median effective concentration, statistically calculated concentration that produces the specified effect in 50% of the test organisms in the environmental medium under specified conditions
NOEC - no observed effects concentration - the highest concentration at which there is no statistically or biologically significant increase in the incidence or severity of the effects of the substance in the test organisms compared with the control sample
vPvB - very persistent and very bioaccumulative substance
PBT - persistent, bioaccumulative and toxic substances
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road
RID - Regulation on the International Carriage of Dangerous Goods by Rail
IMDG - International Maritime Dangerous Goods Code
IATA - International Air Transport Association regulations for the transportation of dangerous goods

Trainings:

Before starting to work with the product, an employee must attend a mandatory OHS training because chemical agents are involved. Perform, document, and familiarize employees with the results of a workplace risk assessment for the presence of chemical agents.

RESOURCES:

Annex to Regulation (EU) 2020/878 dated 18 June 2020. Legal regulations referred to in section 15 of the MSDS.

Changes to the previous version:

Section	Description

Information contained in the MSDS concern exclusively the product named in the title. The data contained in the data sheet should be considered only as an aid to the safe use of the product. Since conditions of storage and transport are beyond our control, we cannot give legal guarantees. Each time follow statutory regulations as well as regulations stipulated by potential third parties. The MSDS does not comprise an assessment of hazard at job. The product should not be used for purposes other than those laid down in the Section 1 without prior consultation with TOMCHEM Sp.z o.o.

End of the material safety data sheet