

SECTION 1: Identification of the substance or mixture and the company

1.1 Product identification

Product name	NadiAc.Nat
Name of the substance	sodium(di)acetate natural, sodium hydrogen acetate natural, E262ii
Registration number (REACH)	unavailable
CAS-Number	126-96-5
EC-Number	204-814-9

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

Recommended use	Food additive Feed additive Pharmaceutical excipient
Recommended restrictions on use	Reserved for industrial and professional use

1.3 Einzelheiten zum Lieferanten, der das Sicherheitsdatenblatt bereitstellt

Company	beachemie GmbH Parsevalstraße 6 06749 Bitterfeld-Wolfen Deutschland
Telephone	+49 (0) 3493 3433 900
Email	info@beachemie.com

1.4 Emergency telephone number

Gemeinsames Giftinformationszentrum der Länder Mecklenburg-Vorpommern, Sachsen, Sachsen-Anhalt und Thüringen (Telephone: +49 (0) 361 730 730)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

EU: Classification according to Regulation (EU) 1272/2008(CLP): Serious eye damage/eye irritation; Category 1; H318

2.2 Label elements

Signal word

Danger

Pictogramms

GHS05



Hazard Statements

H318:

Causes serious eye damage

Precautionary statements- Reaction

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310

Immediately call a POISON CENTER or doctor/physician

Precautionary statements- Prevention

P280

Wear protective gloves/ protective clothing/ eye protection

2.3 Labeling on packaging

Hazard symbol



Danger
corrosive

Risk and safety phrases

Avoid breathing dust. Wear protective gloves, protective clothing, eye protection, face protection. If on skin: Remove/ take off immediately all contaminated clothing. Rinse skin with water/ shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses. Continue rinsing. Get medical advice/ attention if you feel unwell.

2.4 Other hazards

No further information available.

SECTION 3: Composition and Information on Ingredients

3.1 Substances

substance name	sodium(di)acetate
CAS-No	126-96-5
EC-No	204-814-9
Other description	sodium hydrogen di(acetate)

SECTION 4: First-Aid Measures

4.1 Description of first aid measures

After inhalation	Remove to fresh air. Keep patient warm and at rest. In case of feeling unwell consult a physician.
After Skin contact	Rinse with plenty of water/ shower. If symptoms persist, call a physician.
After Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Seek medical advice.
After Ingestion	Rinse mouth with water. Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

After Eye contact	Risk of serious damage to eyes.
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4.3 Indications of immediate medical assistance or special treatment

After Eye contact	Rinse immediately with plenty of water. Remove contact lenses. Seek medical advice
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SECTION 5: Firefighting Measures

5.1 Extinguishing Media

Suitable extinguishing Media	Match extinguishing measures to the environment. Water spray, Foam, Dry Chemical or Carbon dioxide (CO ₂)
Unsuitable extinguishing media	Water in full jet

5.2 Special hazards arising from the substance or mixture

Dangerous combustion products:

In the event of a fire, dangerous gases can be released: carbon oxides (Co_x), sodium oxides, acetic acid

5.3 Special instructions for firefighting

In the event of fire, wear self-contained breathing apparatus. Wear protective suit. Collect contaminated firefighting water separately and must not enter the sewage system. Do not inhale explosion and fire gases.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Note for non-emergency personnel: Avoid dust formation. Avoid contact with eyes. Use personal protective equipment. (including the personal protective equipment referred to in section 8 of the safety data sheet).

6.2 Environmental precautions

Try to prevent the material from entering drains or water courses.

6.3 Methods and materials for containment and cleaning up

Sweep up and shovel into suitable containers for disposal. Smaller spills can be flushed away with plenty of water to remove the product. Dispose of in compliance with local and national regulations.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal information: see section 13.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe dust. Keep container closed when not in use. Ensure that eyewash stations and safety showers are close to the workstation location.

7.2 Conditions for safe storage, including any incompatibilities

The product is very hygroscopic. Keep containers tightly closed in a dry, cool and well-ventilated place. Store in original container.

Storage class according to TRGS 510: 10-13 (other combustible and non-combustible materials)
Materials to avoid: Acids and bases, oxidizing agents.

7.3 Specific end uses

Food & Feed Preservative, acidity regulator, pharma excipient

SECTION 8: Exposure control and monitoring/ Personal protective equipment

8.1 Exposure Limit Values

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

General protective and hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Do not inhale dust. Avoid dust formation.

Individual protection measures (personal protective equipment)

Eye-/ Face protection Tightly fitting safety goggles or face-shield..

Hand protection Wear appropriate protective gloves.

Skin and body protection Wear appropriate work clothes.

Respiratory protection Respirator must be worn if exposed to dust (recommended filter class FFP1)

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical state	solid, crystalline
Colour	white
Odour	faint smell of acetic acid
pH	4,5 – 5 (10% w/w)
Melting point/ freezing point	No further information available.
Boiling point/boiling range	Not determined
Flammability (solid, gas)	Not determined.
Lower explosion limit / Lower flammability limit	No data available.
Flash point	No further information available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Vapor pressure	No data available.
Relative density	approx. 750 kg/m ³
Viscosity	No data available.
Solubility in water	1040 kg/m ³ (20 °C), 1580 kg/m ³ (60 °C)
Partition coefficient: n-octanol/ water	No data available.

9.2 Other Information

No further information available.

SECTION 10: Stability and Reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

The product is stable under normal conditions

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

The product is stable under the recommended storage conditions. Avoid moisture. The product is very hygroscopic

10.5 Incompatible materials

Acids and bases, oxidizing agents.

10.6 Hazardous decomposition products

Sodium oxides, carbon oxides (CO_x), acetic acid

SECTION 11: Toxicological information

11.1 Information on the hazard classes within the meaning of Regulation (EC) No. 1272/2008

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity	Oral (rat): LD 50 = 5,600 mg/kg
Corrosive and irritating effects on the skin	Is not classified as skin corrosive/irritating.
Serious eye damage/irritation	Risk of serious damage to eyes.
Respiratory or skin sensitisation	Is not classified as an inhalation or skin allergen.

Germ cell mutagenicity	Should not be classified as a germ cell mutagen (mutagen).
Reproductive toxicity	No component of this product present at levels greater than 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Specific target organ toxicity after single exposure	Is not classified as toxic for reproduction.
Specific target organ toxicity after repeated exposure	Should not be classified as specifically target organ toxic (single exposure).
Danger of aspiration	Should not be classified as aspiration-hazardous.

Symptoms related to physical, chemical and toxicological properties

Inhalation	In case of dust exposure in high concentrations, irritation of the respiratory tract possible.
Skin contact	Repeated or prolonged exposure: May cause mild irritation
Eye contact	Repeated or prolonged exposure: May cause mild irritation
Ingestion	Repeated or prolonged exposure: May cause mild irritation

11.2 Endocrine disrupting properties

Does not contain any endocrine disruptor (ED) at a concentration $\geq 0.1\%$.

11.3 Information on other hazards

No additional information is available.

SECTION 12: Ecological Information

12.1 Toxicity

According to 1272/2008/EC: Not to be classified as hazardous to water.
Ordinance on facilities for handling water-polluting substances (AwSV):
WGK 1, slightly hazardous to water (Germany)

Aquatic toxicity	EC50/48h/ Aquatic invertebrates > 1,000 mg/l
Toxicity to other organisms	EC50/48h/algae > 1,000 mg/l

12.2 Persistence and degradability

Biological degradability Readily biodegradable

12.3 Bioaccumulative potential

Bioaccumulation is unlikely.

12.4 Mobility for the soil

Sodium hydrogen di(acetate) is Water soluble. Stays in water phase and non-volatile.

12.5 Results of PBT and vPvB assessment

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

12.6 Endocrine disrupting properties

Not listed.

12.7 Other adverse effects

No data is available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Appropriate disposal/ product Dispose of in compliance with local and national regulations.

13.2 Relevant legislation on waste

The allocation of waste code numbers/waste descriptions must be carried out in accordance with the EAKV, industry-specific and process-specific. Waste Catalog Ordinance (The AVV replaces the EWC Ordinance/European Waste Catalog Ordinance).

13.3 Notes

Waste must be separated in such a way that it can be treated separately by municipal or national waste disposal facilities. Please note the relevant national or regional regulations.

SECTION 14: Transport

14.1 UN number

Not subject to transport regulations.

14.2 UN proper shipping name

not assigned

14.3 Transport hazard classes

No

14.4 Packaging group

Not assigned

14.5 Environmental hazards

not hazardous to the environment in accordance with dangerous goods regulations

14.6 Special precautions for the user

No additional information is available.

14.7 Bulk carriage by sea in accordance with IMO instruments

Not available.

SECTION 15: Regulatory Information

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

U.S. TSCA Inventory Status The components of this product are listed on the TSCA Inventory or are exempted from listing

Water contaminating class WGK 1, slightly water endangering (Germany)

SECTION 16: Other Information

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.