



Safety Data Sheet

Sodium decanoate

Section 1 - Chemical Product and Company Identification

1.1 Product Identifiers

Product Name: Sodium decanoate

Catalog Number(s): ND3220

CAS#: 1002-62-6

1.2 Recommended Use of the Chemical and Restrictions of Use:

Laboratory chemicals, Manufacture of substances

1.3 Supplier Details:

BioSpectra, Inc.

100 Majestic Way

Bangor, PA 18013

610-599-3400

1.4 Emergency Numbers:

US & Canada: 1-800-424-9300

Outside the US & Canada: +1 703-527-3887

Section 2 - Hazards Identification

2.1 Classification of the Substance or Mixture:

Not a hazardous substance or mixture.

2.2 GHS Label Element Including Precautionary Statements

Pictogram

Not a hazardous substance or mixture.

2.3 Hazards not Classified or not Covered by the GHS:

None

Section 3 - Composition, Information on Ingredients

3.1 Substances:

Synonyms: Sodium caprate, Decanoic acidsodium salt, Capric acidsodium salt

Formula: C₁₀H₁₉NaO₂

Molecular weight: 194.25 g/mol.

CAS#: 1002-62-6

EC#: 213-688-4

Section 4 - First Aid Measures

4.1 Description of Necessary First Aid Measures:

General Advice:

Eyes: Flush eyes with water as a precaution.

Skin: Wash off with soap and plenty of water.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration.

4.2 Most Important Symptoms/Effects, Acute and Delayed:

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of Immediate Medical Attention and Special Treatment:

No data available

Section 5 - Firefighting Measures

5.1 Extinguishing Media:

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific Hazards Arising from the Substance or Mixture:

Carbon oxides, Sodium oxides

5.3 Advice for Firefighters:

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Other Information:

No data available

Section 6 - Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Avoid dust formation. Avoid breathing vapours, mist or gas. For personal protection, see section 8.

6.2 Environmental Precautions:

Do not let product enter drains.

6.3 Methods and Materials for Containment and Cleaning Up:

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Other Information:

For disposal see section 13.

Section 7 - Handling and Storage

7.1 Precautions for Safe Handling:

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. For precautions, see section 2.2.

7.2 Conditions for Storage Including any Incompatibilities:

Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: 2 - 8°C

7.3 Other Information: No data available

Section 8 - Exposure Controls, Personal Protection

8.1 Control Parameters:

Components with workplace control parameters

Contains no substances with occupational exposure limit values

8.2 Exposure Controls:

Appropriate engineering controls

General industrial hygiene practice.

8.3 Personal Protective Equipment:

Eye/Face: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with the product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full Contact

Material: Nitrile Rubber

Minimum Layer Thickness: 0.11 mm

Breakthrough Time: 480 min.

Splash Contact

Material: Nitrile Rubber

Minimum Layer Thickness: 0.11 mm

Breakthrough Time: 480 min.

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our

customers. It should not be construed as offering an approval for any specific use scenario.

Body: Choose body protection in relation to its type, to the concentration and amount of dangerous substances and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of Environmental Exposure: Do not let product enter drains.

Section 9 – Physical and Chemical Properties

9.1 Chemical Property Information

Physical State: Form: solid	Melting Point: 240 °C (464 °F)
Appearance: Colour: white	Boiling Point: No data available
Odor: No data available	Specific Gravity/Density: No data available
pH: No data available	Solubility: Soluble
Vapor Density: No data available	Molecular Weight: 194.25 g/mol.
Viscosity: No data available	Molecular Formula: C ₁₀ H ₁₉ NaO ₂
Density: No data available	Decomposition Temperature: No data available
Vapor Pressure: No data available	Freezing/Melting Point: No data available

Section 10 - Stability and Reactivity

10.1 Reactivity:

No data available

10.2 Chemical Stability:

Stable under recommended storage conditions

10.3 Possibility of Hazardous Reactions:

No data available

10.4 Conditions to Avoid:

No data available

10.5 Incompatible Materials:

Strong oxidizing agents

10.6 Hazardous Decomposition Products:

Other decomposition production – no data available

In the event of fire: see section 5

Section 11 - Toxicological Information

11.1 Toxicological Effects:

Acute toxicity: No data available

Inhalation: No data available

Dermal: No data available

Skin Corrosion/Irritation: No data available

Serious Eye Damage/ Irritation: No data available

Respiratory or Skin Sensitization: No data available

Germ Cell Mutagenicity: Guinea pig, kidney, DNA inhibition

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive Toxicity: No data available

Specific Target Organ Toxicity – Single Exposure: No data available

Specific Target Organ Toxicity – Repeated Exposure: No data available

Aspiration Hazard: No data available

RTECS: HE0200000

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

Section 12 - Ecological Information

12.1 Toxicity: Toxicity to daphnia and EC50 – Daphnia magna (Water flea) – 65 mg/l – 24 h other aquatic invertebrates

12.2 Persistence and Degradability: No data available

12.3 Bioaccumulative Potential: No data available

12.4 Mobility in Soil: No data available

12.5 Results of PBT and vPvB assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other Adverse Effects: No data available

Section 13 - Disposal Considerations

13.1 Waste Treatment Methods:

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated Packaging: Dispose of as unused product.

Section 14 - Transport Information

	US DOT	IATA	IMDG
Shipping Name:	Not dangerous goods	Not dangerous goods	Not dangerous goods
Hazard Class:			
UN Number:			
Packing Group:			

Section 15 - Regulatory Information

15.1 EHS Chemical Specific Regulations:

SARA 302 Components:

SARA 302: No chemical in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components:

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Section 311/312 Hazards:

No SARA Hazards

Massachusetts Right to Know Components:

No components are subject to the Massachusetts Right to Know Act

Pennsylvania Right to Know Components:

Sodium decanoate CAS-No. 1002-62-6

New Jersey Right to Know Components:

Sodium decanoate CAS-No. 1002-62-6

California Prop. 65 Components:

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16 - Additional Information

16.1 Hazard Ratings:

NFPA Rating:

Health Hazard: 0

Fire Hazard: 0

Reactivity Hazard: 0

HMIS Rating:

Health Hazard: 0

Flammability: 0

Physical Hazard: 0

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