



Sodium Decanoate

Safety Data Sheet

According to Regulation (EC) 1272/2008

SECTION 1 - Chemical Product and Company Identification

1.1 Product Identifiers

Product Name	:	Sodium Decanoate
CAS#	:	1002-62-6
EC#	:	213-688-4

1.2 Recommended Use of the Chemical and Restrictions of Use

Chemical manufacturing

1.3 Supplier Details

Supplier	:	BioSpectra, Inc. 100 Majestic Way Bangor, PA 18013 T: 610.599.3400 ehs@biospectra.us
----------	---	--

1.4 Emergency Numbers

Emergency Numbers	:	US & Canada: 1-800-424-9300 Outside the US & Canada: +1 703-527-3887
-------------------	---	---

SECTION 2 - Hazards Identification

2.1 Classification of Substance or Mixture

Aquatic, Chronic category 3

2.2 GHS & EC Label Elements Including Precautionary Statements

Hazard Statement(s)	:	H412 - Harmful to aquatic life with long lasting effects
Precautionary Statements	:	P273 – Avoid release to the environment P501 – Dispose of contents/container to an approved disposal facility.

2.3 Hazards not Classified or not Covered by the GHS

None

SECTION 3 - Composition, Information on Ingredients

3.1 Substance

Component	Classification	Concentration
Sodium Decanoate	Not Applicable	>99%

Synonyms	:	Capric Acid, Sodium Caprate, Decanoic Acid
Molecular Formula	:	C ₁₀ H ₁₉ NaO ₂

The information contained herein is the confidential property of BioSpectra. The recipient is responsible for its safe-keeping and the prevention of unauthorized appropriation, use, disclosure and copying.

Page 1 of 5

Molecular Weight : 194.25g/mol.

SECTION 4 - First Aid Measures

4.1 Description of Necessary First Aid Measures

General Advice	: Treat symptomatically. If feeling unwell, consult a physician
Eyes	: Immediately flush eyes with tepid water for at least 15 minutes, occasionally lifting the upper and lower lids.
Skin	: Remove contaminated clothing. Wash with tepid water.
Ingestion	: Do not induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person. Rinse mouth out with water.
Inhalation	: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

4.2 Most Important Symptoms/Effects, Acute and Delayed

Refer to Section 2.2 for Precautionary Statements if any are applicable

4.3 Indication of Immediate Medical Attention and Special Treatment

No information available

SECTION 5 - Firefighting Measures

5.1 Extinguishing Media

Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific Hazards Associated with this Chemical

Hazardous decomposition products: Carbon oxides, sodium oxides (NaOx)

5.3 Special Equipment/Precautions for Firefighters

May be combustible at high temperatures. As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source. In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with fullface piece operated in the pressure demand or other positive pressure mode. Explosion will appear as fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

5.4 Other Information

None available.

SECTION 6 - Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Avoid dust formation. Ensure adequate ventilation. Avoid breathing vapors/dust. Use proper personal protective equipment as indicated in Section 8.

6.2 Environmental Precautions

Do not allow to enter drains

6.3 Methods and Materials for Containment and Cleaning Up

Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions.

6.4 Other Information

None available

SECTION 7 - Handling and Storage

7.1 Precautions for Safe Handling

Avoid dust formation; the potential for combustible dust should be taken into consideration. Wash thoroughly after handling. Use with adequate ventilation.

The information contained herein is the confidential property of BioSpectra. The recipient is responsible for its safe-keeping and the prevention of unauthorized appropriation, use, disclosure and copying.

7.2 Conditions for Storage Including any Incompatibilities

Store in a tightly closed container in a dry, well-ventilated area away from incompatible substances. Recommended Storage Temperature 2 – 8 °C

7.3 Other Information

No information available.

8.1 Control Parameters

SECTION 8 - Exposure Controls, Personal Protection

Chemical does not contain any substances with occupational exposure limits.

8.2 Engineering Controls

Use adequate ventilation to keep airborne concentrations low. General Industrial hygiene practice.

8.3 Personal Protective Equipment

Eyes
Use safety glasses with side shields for eye protection that have been tested and approved under appropriate government standards such as NIOSH (US) or EN166 (EU).
Skin
Wear appropriate protective gloves to prevent skin exposure. Wear impervious gloves: Nitrile rubber with layer thickness 0.11mm.
Clothing
Wear appropriate protective clothing to prevent skin exposure.
Respirators
Where protection from nuisance levels of dusts are desired, use type N95(US) or type P1 (EN 143) dust masks. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

Section 9 - Physical and Chemical Properties

Physical State	:	Solid
Appearance	:	White
Odor	:	No data
pH	:	No data
Vapor Pressure	:	No data
Vapor Density	:	No data
Viscosity	:	No data
Melting Point	:	240 °C (>464°F)
Initial Boiling Point Temperature	:	No data
Flash Point	:	No data
Bulk Density	:	No data
Water Solubility	:	Soluble
Decomposition Temperature	:	No data
Relative Density	:	No data

Section 10 - Stability and Reactivity

10.1 Chemical Stability

Stable under normal temperatures and pressures.

The information contained herein is the confidential property of BioSpectra. The recipient is responsible for its safe-keeping and the prevention of unauthorized appropriation, use, disclosure and copying.

Page 3 of 5

10.2 Conditions to Avoid

Not Available.

10.3 Incompatibilities with Other Materials

Strong oxidizing agents

10.4 Hazardous Decomposition Products

Not available

10.5 Hazardous Polymerization

Will not occur

SECTION 11 - Toxicological Information

11.1 Toxicological Effects

Acute Toxicity

LD50 Oral	:	No data available
Carcinogenicity	:	Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
Epidemiology	:	No data available
Teratogenicity	:	No data available
Reproductive Effects	:	No data available
Neurotoxicity	:	No data available
Mutagenicity	:	No data available
Other Studies	:	No data available

11.2 Additional Information

RTECS # : HE0200000

To the best of our knowledge the associated physical, chemical and toxicological properties of this chemical have not undergone thorough investigation, all known information is contained in this SDS.

SECTION 12 - Ecological Information

12.1 Ecotoxicity

No information available

12.2 Persistence and Degradability

No information available

12.3 Bio accumulative Potential

No information available

12.4 Mobility in Soil

No information 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

Avoid discharge to the environment

SECTION 13 - Disposal Considerations

Dispose of in a manner consistent with Federal, State, and Local Regulations.

The information contained herein is the confidential property of BioSpectra. The recipient is responsible for its safe-keeping and the prevention of unauthorized appropriation, use, disclosure and copying.

Page 4 of 5

SECTION 14 - Transport Information

Regulations	US DOT	ADR	IATA	IMDG
Shipping Name	Not Dangerous Goods	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:

Section 302 (RQ)	:	Not Listed
Section 302 (TPQ)	:	Not Listed
Section 313	:	Not Listed
SARA 311/312 Hazards	:	Not Listed
TSCA Inventory	:	Listed

STATE SPECIFIC:

Massachusetts Right to Know Components	:	No components are subject to the Massachusetts Right to Know Act.
Pennsylvania Right to Know Components	:	No components are subject to the Pennsylvania Right to Know Act.
New Jersey Right to Know Components	:	No components are subject to the New Jersey Right to Know Act.
California Prop. 65 Components	:	No Significant Risk Level: None of the chemicals in this product are listed.

SECTION 16 - Additional Information

16.1 Hazard Ratings

HMIS Rating	
Health Hazard	0
Flammability	0
Physical Hazard	0

NFPA Rating

Health Hazard	0
Fire Hazard	0
Reactivity Hazard	0

The information conveyed in this Safety Data Sheet is only a representation of what BioSpectra has found to be accurate based on the current information that is available in regards to this compound. BioSpectra makes no warranty, expressed or implied, with respect to such information, and therefore assumes no liability resulting from product usage. It is strongly recommended that users of this product perform their own investigations to determine the accuracy and suitability of the information for their specific purposes. In no way will BioSpectra assume liability for any claims, losses, damages to any third party, any lost profits or any special, indirect, incidental, consequential or exemplary damages that may arise, even if BioSpectra has been advised of the possibility of such damages.

The information contained herein is the confidential property of BioSpectra. The recipient is responsible for its safe-keeping and the prevention of unauthorized appropriation, use, disclosure and copying.