



Safety Data Sheet

Sodium Lactate

June 7th, 2017

Section 1: Chemical Product and Company Identification

Product name: Sodium Lactate
Contact Info: Bramble Berry Inc.
2138 Humboldt Street
Bellingham, WA 98225
info@brambleberry.com
www.brambleberry.com
1-877-627-7883

Emergency Phone Number:
Within USA & Canada: 1.800.424.9300 CCN693143
Outside USA & Canada: +1.703.527.3887 (collect calls accepted)

Section 2: Hazards Identification

GHS Classification: Not a hazardous substance or mixture according to GHS.
GHS Labeling-Label elements: No GHS label elements required.

Section 3: Composition/Information on Ingredients

Substance: Mixture
No ingredients are hazardous according to OSHA criteria.

Section 4: First Aid Measures

First aid procedures

Protection of first-aiders: If you feel unwell, seek medical advice (show the label where possible). Never give anything by mouth to an unconscious person.

If inhaled: If breathed in, move person into fresh air.

In case of skin contact: If on skin, rinse well with water.

In case of eye contact: If easy to do, remove contact lens, if worn. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

If swallowed: If swallowed, DO NOT induce vomiting. If symptoms persist, call a physician. Rinse mouth with water.

Notes to Physician

Symptoms: Irritation

Treatment: Treat symptomatically.

Section 5: Fire-Fighting Measures

Fire fighting

Suitable extinguishing media: Water spray, Dry powder, Foam, Carbon dioxide (CO₂)

Further information: Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. In the event of fire and/or explosion do not breathe fumes. Use water spray to cool unopened containers.

Protective equipment and precautions for firefighters

Specific hazards during firefighting: Do not use a solid water stream as it may scatter and spread fire. Hazardous decomposition products may be formed under fire conditions (see section 10). Exposure to decomposition products may be a hazard to health.

Special protective equipment: Wear self-contained breathing apparatus for firefighting if necessary.

For firefighters: Use personal protective equipment.

Section 6: Accidental Release Measures

Personal Precautions: Refer to protective measures listed in sections 7 and 8.

Protective Equipment and Emergency Procedures: Ensure adequate ventilation, especially in confined areas. Avoid inhalation of vapor or mist.

Environmental Precautions: Prevent further leakage or spillage if safe to do so.

Methods and Materials for Containment and Cleaning Up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Clean contaminated surface thoroughly.

Section 7: Handling and Storage

Handling

Advice on safe handling: Wear personal protective equipment. Do not breathe vapors or spray mist. Avoid contact with skin and eyes.

Advice on protection against fire and explosion: Normal measures for preventive fire protection.

Dust explosion class: Not applicable

Storage

Requirements for storage areas and containers: Store at room temperature in the original container.

Other data: No decomposition if stored and applied as directed.

Section 8: Exposure Controls/Personal Protection

Components with workplace control parameters: Contains no substances with occupational exposure limit values.

Engineering Measures: Provide adequate ventilation.

Personal protective equipment

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection: Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the protective gloves with the glove manufacturer.

Eye protection: In case of splash hazard, please wear protective goggles. Ensure that eyewash stations and safety showers are close to the workstation location.

Skin and Body Protection: Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Protective Measures: Handle in accordance with good industrial hygiene and safety practice.

Hygiene Measures: General industrial hygiene practice. Avoid breathing vapors, mist or gas. Avoid contact with skin, eyes and clothing. When using do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Wash contaminated clothing before re-use.

Section 9: Physical and Chemical Properties

Appearance: Aqueous solution

Color: Colorless, light yellow

Odor: Slight, characteristic

pH: 6.0 - 8.0, (25 °C)

Boiling point/boiling range: No data available

Flash point: Not applicable

Density: 1.30 - 1.33 g/cm³ (20 °C)

Water solubility: completely miscible

Thermal decomposition: > 200 °C

Viscosity, dynamic: No data available

Explosive properties: Not applicable

Section 10: Stability and Reactivity

Reactivity: No decomposition if stored and applied as directed.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Conditions: Hazardous decomposition products formed under fire reactions. No decomposition if stored and applied as directed.

Conditions to avoid: Temperature > 200°C

Incompatible Materials: None.

Hazardous Decomposition: Build-up of dangerous/toxic fumes possible in cases of products fire/high temperature.

Section 11: Toxicological Information

Acute toxicity

Components:

Sodium-L-Lactate:

Acute oral toxicity: LD50 Oral Rat: 2,000 mg/kg

Acute toxicity (other routes of LD50 Rat: 2,000 mg/kg administration) Application Route: i.p.

Sodium Diacetate:

Acute oral toxicity LD50 Oral Rat: 5,560 mg/kg

Remarks: No adverse effect has been observed in acute toxicity tests.

Skin Corrosion/Irritation

Components:

Sodium Diacetate:

Species: Rat

Exposure time: 72 h

Result: No skin irritation

Classification: No skin irritation

Method: OECD Test Guideline 404

GLP: yes

Serious eye damage/eye irritation

Components:

Sodium-L-lactate:

Remarks: Contact with eyes may cause irritation.

Sodium Diacetate:

Species: Rat

Exposure time: 21 d

Result: Irreversible effects on the eye

Classification: Risk of serious damage to eyes.

Method: OECD Test Guideline 405

GLP: yes

Remarks: Severe eye irritation

Respiratory or Skin Sensitization

Components:

Sodium Diacetate:

Germ cell mutagenicity: No data available

Carcinogenicity: No data available

Reproductive toxicity: No data available

STOT - single exposure: No data available

STOT - repeated exposure: No data available

Aspiration Toxicity: No data available

Potential Health Effects

Aggravated Medical Condition: None known.

Symptoms of Overexposure: Irritation

Experience with human exposure

Inhalation Respiratory system: No human information is available.

Skin contact: No human information is available.

Eye contact: No human information is available.

Ingestion: Digestive organs, No human information is available.

Further information

Components:

Sodium Diacetate:

Remarks: According to concentration, aqueous solution causes irritation or burns of eyes, skin and mucous membranes.

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.

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.

OSHA

Further information

Components:

Sodium Diacetate: Remarks: According to concentration, aqueous solution causes irritation or burns of eyes, skin and mucous membranes.

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.

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.

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.

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.

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

Section 12: Ecological Information

Ecotoxicity

Components:

Sodium-L-Lactate:

Toxicity to daphnia and other aquatic invertebrates: Ecological injuries are not known or expected under normal use.

Sodium Diacetate :

Toxicity to fish: (Leuciscus idus (Golden orfe)): 410 mg/l

Test substance: Non neutralised product

Toxicity to algae Remarks: No data available

Toxicity to bacteria Remarks: No data available

Persistence and Degradability

Components:

Sodium Diacetate :

Biodegradability Zahn-Wellens Test

Biodegradation: > 90 %
Exposure time: 2 d
Method: OECD Test Guideline 302
Remarks: Readily biodegradable, according to appropriate OECD test.
Physico-chemical Remarks: Readily biodegradable removability

Bioaccumulative Potential

Components:

Sodium-L-Lactate:

Bioaccumulation Remarks: The product is miscible in water and readily biodegradable in both water and soil. Accumulation is not expected.

Sodium Diacetate :

Bioaccumulation Remarks: The product is miscible in water and readily biodegradable in both water and soil. Accumulation is not expected.

Mobility in Soil

Components:

Sodium Diacetate:

Mobility Remarks: No data available

Distribution among Remarks: No data available environmental compartments

Other Adverse Effects

Product:

Additional ecological components: No data available information

Sodium-L-Lactate:

Results of PBT and vPvB assessment: This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

Section 13: Disposal Conditions

Disposal methods

Waste from residues: In accordance with local and national regulations. Do not dispose of together with household waste.

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal. Dispose of as unused product.

Section 14: Transport Information

Regulator	Class	Pack Group	Sub Risk	UN-nr.
U.S. DOT (Non-Bulk) Chemicals NOI	Not Regulated - Not Dangerous Goods			
ADR/RID (International Road/Rail) Environmentally Hazardous Substance, Liquid, n.o.s.	Not Regulated - Not Dangerous Goods			
IATA (Air Cargo)	Not Regulated - Not Dangerous Goods			

Environmentally Hazardous Substance, Liquid, n.o.s.	
IMDG (Sea) Environmentally Hazardous Substance, Liquid, n.o.s.	Not Regulated - Not Dangerous Goods

Section 15: Regulatory Information

OSHA Hazards: No OSHA Hazards

California Prop 65: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16: Other Information

The information in this publication is believed to be accurate and is given in good faith, but no representation of warranty as to its completeness or accuracy is made. Suggestions for uses or applications are only opinions. Users are responsible for determining the suitability of these products for their own particular purpose. No representing of warranty, expressed or implied, is made with respect to information or products including, without limitation, warranties or merchantability, fitness for a particular purpose, non-fringement of any third party patent or other intellectual property rights including, without limit, copyright, trademark and design.