



NEW DIRECTIONS AROMATICS

MATERIAL SAFETY DATA SHEET

SECTION: 1.1 PRODUCT IDENTIFICATION

Product Name: Sodium Lactate 60% - Natural Preservative
Synonyms: Sodium-L-Lactate, Sodium-L-(-)-2-hydroxy propionate.
Chemical Name: Sodium-L-(-)-2-hydroxy propionate aqueous solution.
Chemical Formula C₃H₅O₃Na
CAS #: 72-17-3/7732-18-5
Country of Origin: Canada

SECTION: 1.2 COMPANY IDENTIFICATION

Company: New Directions Aromatics Inc.
Address: 6781-Columbus Road, Mississauga. L5T 2G9 Canada
Telephone No: 905-362-1915
FAX: 905-362-1926

24 HOUR EMERGENCY TELEPHONE NUMBER: (613)-996-6666 CANUTEC

SECTION: 2. COMPOSITION / INFORMATION INGREDIENTS

Components:	CAS NO.	(%)	Hazardous
Sodium Lactate	72-17-3	60	Yes
Water	7732-18-5	40	No

SECTION: 3. HAZARDS IDENTIFICATION

Hazard Overview

Target Organs: Eyes / Skin
Primary Entry Routes: Eyes. Ingestion. Dermal - skin.
Acute Health Hazards: Causes mild eye irritation. Causes mild skin irritation.
Chronic Health Hazards: None known
Signs and Symptoms of Overexposure
Eye Contact: Causes mild eye irritation.
Skin Contact: Causes mild skin irritation.
Ingestion: Not a hazard under normal use conditions.
Inhalation: Not a hazard under normal use conditions.

SECTION: 4. FIRST AID MEASURES

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.
Skin Contact: Immediately wash with soap and plenty of water. Remove contaminated clothing and launder before reuse. Get medical attention if symptoms occur.
Ingestion: Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation: No specific treatment is necessary since material is not likely to be hazardous by inhalation. If exposed to excessive levels of dust or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

SECTION: 5. FIRE FIGHTING MEASURES

Flash Point None
Fire Not considered to be a fire hazard



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Extinguishing media:	All standard firefighting media to surrounding area
Special Procedures:	None
Unusual Firefighting Hazards:	None identified.
Protective Equipment:	Fire fighters should wear full protective clothing, including self-contained breathing equipment.
Combustion Product:	Carbon Monoxide, Carbon Dioxide

SECTION: 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Use appropriate protective equipment.
Safety Precautions:	Eliminate all ignition sources. Ventilate area. Determine the need to evacuate or isolate the area according to your local emergency plan.
Environmental Precautions:	Keep away from drains, surface and ground water. Report spills to appropriate Authorities if required.
Methods For Cleaning Up:	Contain spill with sand or other inert materials. Comply with all federal, state, and local regulation.

SECTION: 7. HANDLING AND STORAGE

Handling:	Avoid contact with skin and eyes. May produce sensitization to damaged exposed skin (as sold) (See Toxicological Section 11). Wear appropriate PPE. Wash thoroughly with soap and water after handling.
Storage:	Keep containers tightly closed when not in use. Store in a cool, dry place, out of direct sunlight. Hygroscopic Material. Keep containers closed tightly when not in use.

SECTION: 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes Protection:	The use of safety glasses is recommended.
Engineering Controls:	Use in a well ventilated area.
Respiratory Protection:	In well- ventilated areas, respiratory protection is not normally required.
Protective Gloves:	Using chemical resistant gloves is recommended.
Protective Clothing:	Using chemical resistant clothing is recommended.
Protective Equipment:	An eyewash fountain and / or safety shower should be available in the work area. Acceptable industrial hygiene practices should be maintained.

SECTION: 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless to yellow Liquid
Odor:	Odorless
Solubility:	Soluble in Water
Relative Density:	1.31
Refractive Index:	Not determined
pH	6.5 – 8.5
Boiling Point	110°C
Melting Point	17°C
Vapor Pressure	14mmHg@20°C

SECTION: 10. STABILITY AND REACTIVITY

Stability:	Chemically stable under normal conditions and handling, use and transportations
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Hazardous Polymerization: Will not occur.
Conditions to Avoid None known.
Decomposition Products: When heated to decomposition produces carbon dioxide and monoxide smoke.

SECTION: 11. TOXICOLOGICAL INFORMATION

Oral rat LD50:2000 mg/Kg. Irritation data for Sodium Lactate (Std Draize, rabbit, eye): 100 mg - mild

SECTION: 12. ECOLOGICAL INFORMATION

Biodegradability: Readily
Aquatic Toxicity: None

SECTION: 13. DISPOSAL CONSIDERATION

Follow all applicable community, national or regional regulations regarding waste management methods.

SECTION: 14. TRANSPORT INFORMATION

TDG Canada Not Regulated
Hazard Class None
US DOT Shipping Description: Check appropriate authority
IATA Shipping (Air): Check appropriate authority
IMDG Shipping Description: Check appropriate authority

SECTION: 15. REGULATORY INFORMATION

WHMIS (Canada): Not Available
HMIS (USA): Health Hazard -1 Fire Hazard - 0 Reactivity - 0
Classification:
TSCA Inventory List: This product and/or its components is listed on TSCA.
California Proposition 65 None of the components of this product is listed on CALPROP.
Carcinogens & Reproductive Toxicity (CRT) List:
Canada DSL Inventory List: This product and/or its components are listed on DSL.
Canada NDSL Inventory List: This product and/or its components is not listed on NDSL.
EU EINECS List: This product and/or its components is listed on EINECS.
EU ELINCS List: This product and/or its components is not listed on ELINCS.
Germany VCI Assigned Classification into Water Endangering Classes (WGK) List: This product and/or its components is not listed on WGK.
Japan Inventory of Existing & New Chemical Substances(ENCS): This product and/or its components is not listed on ENCS.
Australia Inventory of Chemical Substances (AICS) List: This product and/or its components are listed on AICS.

SECTION: 16. OTHER INFORMATION

Revision Date: September 30, 2011



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SECTION: 17. DISCLAIMER

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CERTIFICATE OF ANALYSIS

Product: Sodium Lactate 60% (Natural Preservative)
Lot No.: 33010-A02
Manufacturing Date: August 2010
Best Before: August 2012

<u>Property</u>	<u>Specification</u>	<u>Result</u>
Appearance:	Colorless to yellow Liquid	Appearance:
Odor:	Odorless	Odor:
Solubility:	Soluble in Water	Solubility:
Relative Density:	1.31	Relative Density:
Refractive Index:	Not determined	Refractive Index:
pH	6.5 – 8.5	pH
Boiling Point	110°C	Boiling Point

DISCLAIMER:

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