



Safety Data Sheet

NeoDefend

Complies with 29 CFR 1910.1200

Section 1: Company and Product Identification

Product Name: NeoDefend

INCI Name: D-Glucono-1,5-lactone

Material Uses: Preservative in cosmetic and personal care applications.

Restrictions on Use: Repackaged for cosmetic use only

Company: Lotioncrafter LLC
48 Hope Ln
Eastsound, WA 98245
PH: 1-360-376-8008

Emergency Response: In USA, Canada and North America, 24 hour / 7 day emergency information for our product is provided by the CHEMTREC Emergency Call Center based in the USA.

USA, Canada, Puerto Rico, Virgin Islands CALL +1 800-424-9300
In case of difficulties or for ships at sea CALL +1 703-527-3887
In Europe, Middle East, Africa, Asia Pacific, South America CALL +1 703-527-3887

Section 2: Hazards Identification

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Hazard Pictograms:

Signal Word: Not Applicable

Hazard Classification: This substance does not meet the criteria for a dangerous or hazardous substance.

Hazard Category: Non-classified

Hazard Statements: Not Applicable

Precautionary Statements: Not Applicable

Other Hazards: None

Section 3: Composition / Information on Ingredients

Name	Hazard Category	CAS#	Weight %
D-Glucono-1,5-lactone	Not classified	90-80-2	75%
Sodium Benzoate	Not classified	532-32-1	25%

Additional Information: For full text of any H-statements and R-phrases: see SECTION 16



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Section 4: First Aid Measures

Notable Exposure symptoms: No information available.

If ingested: Do not induce vomiting. Seek medical advice. Immediately give large quantities of water to drink. Never give anything by mouth to an unconscious person.

If inhaled: No special precautions required.

Eye contact: Immediately flush eyes with plenty of water. If eye irritation persists, consult a specialist.

Skin contact: After contact with skin, wash immediately with soap and water. If skin irritation persists, call a physician.

Section 5: Fire Fighting Measures

General Info: Heating or fire can release toxic gas. Wear self-contained breathing apparatus. Use water spray to cool unopened containers.

Extinguishing Method / Dry powder, water spray, foam.

Equipment:

Hazardous Decomposition Info: Heating or fire can release toxic gas.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and procedures: Use personal protective equipment.

Environmental Precautions: Prevent product from entering drains.

Containment Equipment and Procedures: Sweep up or vacuum up spilled material and collect in a suitable container for disposal. Dispose of in accordance with all Federal, State and local regulations.

Section 7: Handling and Storage

Safe Handling Precautions: To reduce risk of fire or explosion, avoid dust formation and take precautionary measures against static discharges.

Recommendations for Storage: Keep container tightly closed. To maintain product quality, do not store in heat or direct sunlight. Keep in a cool, dry, and well-ventilated place.

Specific End Use(s): N/A



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Section 8: Exposure Control / Personal Protection

Control Parameters: Contains no substances with occupational exposure limit values.

General / Engineering Controls: General mechanical ventilation is acceptable

Eye/face protection: Safety glasses with side-shields

Hand Protection: Protective gloves. Suitable material is nitrile rubber with a break-through time > 480 min.

Body Protection: None required under normal conditions of use

Respiratory Protection: None required under normal conditions of use

Thermal Hazards: None required under normal conditions of use

Other: Handle in accordance with good industrial hygiene and safety practices

Environmental Exposure Prevent product from entering drains.

Controls:

Section 9: Physical and Chemical Properties

Physical State: Solid

Appearance: Powder

Color: White

Odor: Mild

Odor Threshold: No data available

pH: N/A

Melting Point: Not available

Freezing Point: N/A

Boiling Point: N/A

Flash Point (COC): 93°F, 34°C

Auto-ignition Temperature: Not available

Decomposition Temperature: Not available

Evaporation Rate: Not applicable

Vapor Pressure: Not applicable

Explosive Limits: Not applicable

Vapor Density: Not applicable

Specific Gravity: 1.2

Water Solubility: Soluble

Viscosity (cP): Not applicable

Explosion Properties: Not available

Oxidizing Properties: Not determined

Partition coefficient: Not available

Other information: None



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Section 10: Stability and Reactivity

Reactivity: Stable under recommended storage conditions

Chemical Stability: Stable under normal conditions

Possibility of Hazardous Reactions: Stable under normal conditions

Reactions:

Conditions to Avoid: No data available

Incompatible Materials: Strong oxidizers

Hazardous Decomposition Products: Nitrogen oxides (Nox), Carbon oxides

Section 11: Toxicological Information

Acute Toxicity: > 2000 mg/kg. Rat OECD Test Guideline 401

Irritation: Non irritant per EPISKIN Human Skin Model Test

Corrosivity: Not determined

Sensitization: Not determined

Repeated Dose Toxicity: Not determined

Carcinogenicity: Not determined.

Mutagenicity: Not determined

Genotoxicity: Negative per Ames test, Salmonella typhimurium. Negative per chromosome aberration test in vitro, Chinese hamster lung cells.

Section 12: Ecological Information

Toxicity: No ecotoxicity data available.

Aquatic Toxicity: No data available

Persistence and Degradability: Readily biodegradable

Bioaccumulative Potential: No data available

Mobility in Soil: No data available

Results of PBT and vPvB Assessment: This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT). It contains no substance considered to be very persistent and very bioaccumulating (vPvB).

Other Adverse Effects: D-Glucono-1,5-lactone is toxic to fish (LC50) at 360mg/l, toxic to daphnia and other aquatic invertebrates (EC50) at 305 mg/l, toxic to algae (ErC50) at > 500 mg/l, and toxic to bacteria (EC0) at > 500 mg/l.



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Section 13: Disposal Information

Product disposal: Dispose of product in accordance with local, regional, and national regulations.

Container disposal: Dispose of container in accordance with licensed collector's sorting instructions.

Other considerations: No further information.

Section 14: Transport Information

	US DOT	EU Land Transport (ADR/RID/AND)	Sea Transport (IMDG)	Air Transport (ICAO/IATA)
UN Number:	Not applicable	Not applicable	Not applicable	Not applicable
UN Proper Shipping Name:	Not Regulated	Not Regulated	Not Regulated	Not Regulated
Transport Hazard Class(es):	Not applicable	Not applicable	Not applicable	Not applicable
Packing Group:	Not applicable	Not applicable	Not applicable	Not applicable
Environmental Hazards:	No	No	No	No
Special Precautions for User:	None	None	None	None
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	Not applicable	Not applicable	Not applicable	Not applicable

Section 15: Regulatory Information

EU EINECS/ELINCS/NLP: No information available

Canada DSL/NDSL: No information available

US TSCA: No information available

Korea KECI: No information available

China IECSC: No information available

Japan ENCS: No information available

Philippine PICCS: No information available

Australia AICS: No information available

Chemical Safety Assessment: None required



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Section 16: Other Information

Indication of Changes: Version 1 created June 13, 2016

**List of Relevant R-phrases
(number and full text):**

Not applicable

Legal Disclaimer: Since the user's working conditions are not known to us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

Lotioncrafter provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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