

Lotioncrafter

532 Point Lawrence Road

Olga, WA 98279

Tel: 360-376-8008

Sodium Lactate, Powder INCI: Sodium Lactate

1. Product Identification

Product Name: Purasal Powder S96 Sodium Lactate, Cosmetic Grade

2. Composition/Information on Ingredients

Synonyms: Sodium L-2-hydroxy propionate

CAS No.: 867-56-1

EC No.: 212-762-3

3. Hazards Identification

Most important hazards

May cause eye irritation with susceptible persons.

4. First Aid Measures

General advice:

Immediate medical attention is not required.

Show this safety data to the doctor in attendance.

Inhalation:

Not applicable.

Ingestion:

Drink water.

Skin Contact:

Wash off with water.

Eye Contact:

Rinse thoroughly with plenty of water, also under the eyelids..

5. Fire Fighting Measures

Suitable Extinguishing Media:

Water, Carbon dioxide (CO₂), foam.

Extinguishing media which must not be used for safety reasons:

None

Specific hazards:

None.

Special protective equipment for firefighters:

None.

Special Information:

Standard procedure for chemical fires.

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6. Accidental Release Measures

Personal precautions:

General industrial hygiene practice.

Environmental precautions:

Prevent further leakage or spillage.

No special environmental precautions required.

Methods for cleaning up:

Flush with water.

7. Handling and Storage

Handle in accordance with good industrial hygiene and safety practice. Keep in a tightly closed container, stored in a cool, dry place. Avoid long storage times.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:

None established.

Ventilation System:

Ensure adequate ventilation, especially in confined areas.

Control parameters:

None.

Personal protection equipment:

No special protective equipment required..

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Appearance:	Powder
Color:	White
Odor:	Odorless
Solubility:	Water solubility; completely soluble
pH:	6.5 – 8.5 (aqueous solution)
Melting Point:	161-162°C
Flash Point:	Not applicable
Autoignition Temperature:	None
Explosion Limits:	Not applicable

10. Stability and Reactivity

Stability:	Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products:	Carbon oxides.
Hazardous Polymerization:	Will not occur.
Conditions to avoid:	Temperatures above 200°C.

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11. Toxicological Information

Acute toxicity: Health injuries are not known or expected under normal use.

LS50/intraperitoneal/rat=2000 mg/kg

LD50/oral/rat = 2000 mg/kg.

Local effects: May cause eye irritation with susceptible persons.

Specific effects: Based on tests with L-lactic acid and its salts, there is no evidence to suggest carcinogenic nor mutagenic properties from lactic acid itself nor from the lactate portion of its metal salts.

12. Ecological Information

Environmental Fate:

Mobility: Completely soluble.

Persistence / degradability: Product is a salt of lactic acid, which is readily biodegradable.

Bioaccumulation: Unlikely.

Ecotoxicity: Ecological injuries are not known or expected under normal use;
(No effect on Daphnia @ 10g/L).

Environmental Toxicity: No information found.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Not regulated.

15. Regulatory Information

The product is classified in accordance with Annex VI to Directive 67/548/EEC.

EEC Food additive: E325

USA/FDA/GRAS Status

16. Other Information

Further information on the safety assessment of lactic acid and its salts can be obtained in a CFTA Report of June 6th 1997.

Additional data on the calculated ecotoxicity of lactic acid and its salts and esters can be obtained in a report entitled "The ecotoxicity and biodegradability of lactic acid, alkyl lactate, esters and lactic acid salts" by Bowmer et al. (Reference: Chemosphere 37:1317-1333 (1998)).

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