

# Lotioncrafter

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**Sodium Lactate, Powder**

**INCI: Sodium Lactate**

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## 1. Product Identification

**Product Name:** Purasal S100 Sodium Lactate Powder, Cosmetic Grade

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## 2. Composition/Information on Ingredients

**Synonyms:** Sodium L-2-hydroxy propionate  
**CAS No.:** 867-56-1  
**EC No.:** 212-762-3

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## 3. Hazards Identification

**Most important hazards** May cause eye irritation with susceptible persons.

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## 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.

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## 5. Fire Fighting Measures

**Suitable Extinguishing Media:** Water, Carbon dioxide (CO<sub>2</sub>), 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.

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## 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.

Sodium Lactate, Powder  
Rev. 01/21/2015

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## 8. Exposure Controls/Personal Protection

<b>Airborne Exposure Limits:</b>	None established.
<b>Ventilation System:</b>	Ensure adequate ventilation, especially in confined areas.
<b>Control parameters:</b>	None.
<b>Personal protection equipment:</b>	No special protective equipment required.
<b>Hygiene measures:</b>	Handle in accordance with good industrial hygiene and safety practice.

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## 9. Physical and Chemical Properties

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

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## 10. Stability and Reactivity

<b>Stability:</b>	Stable under ordinary conditions of use and storage.
<b>Hazardous Decomposition Products:</b>	Carbon oxides.
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Conditions to avoid:</b>	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.

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## 12. Ecological Information

<b>Environmental Fate:</b>	
<b>Mobility:</b>	Completely soluble.
<b>Persistence / degradability:</b>	Product is a salt of lactic acid, which is readily biodegradable.
<b>Bioaccumulation:</b>	Unlikely.
<b>Ecotoxicity:</b>	Ecological injuries are not known or expected under normal use; (No effect on Daphnia @ 10g/L).
<b>Environmental Toxicity:</b>	No information found.

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## 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.

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## Sodium Lactate, Powder

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### 14. Transport Information

Not regulated.

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### 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

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### 16. Other Information

Further information on the safety assessment of lactic acid and its salts can be obtained in a CFTA Report of June 6<sup>th</sup> 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)).

**Disclaimer:**

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