

1. Identification of the Substance

1.1 Product Identifier

Product Name: Leucidal Liquid SF Max

1.2 Relevant Identified Product Use

Intended Use: Compound used in customer substance/mixture/product.

1.3 Details of the Supplier of the Safety Data Sheet

Soap & More the Learning Centre Inc.

3830 - 7 St. Se Calgary, Ab T2G 2Y8

403 - 217- 2346

www.soapandmore.ca

1.4 Emergency Telephone Number

(800) 255-3924 Domestic USA, Canada, Puerto Rico, and US Virgin Islands

+1 (813) 248-0585 International

2. Hazards Identification

2.1 Classification of the Substance or Mixture

Classification According to GHS: No classification or labelling is required.

OSHA Classification: Material is defined as non-hazardous.

2.2 Label Elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard Pictograms: No hazard symbol expected.

Signal Word: Not applicable.

Hazard Statements: Not applicable.

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Precautionary Statements

Prevention:

P233	Keep container tightly closed.
P281	Use personal protective equipment as required.
P402:	Store in a dry place.
P404:	Store in a closed container.
P410:	Protect from sunlight.
P411:	Store at temperatures not exceeding 25°C.

Response: Nothing specific noted/required.

2.3 Other Hazards

No data available.

3. Composition/Information on Ingredients

3.1 Mixtures

Ingredient	CAS#	EC#	Percentage
Lactobacillus Ferment	1686112-36-6 (or) 68333-16-4	N/A	100%

4. First Aid Measures

4.1 Description of First Aid Measures

Inhalation:	Remove from exposure site to fresh air and keep at rest. Obtain medical advice for any breathing difficulty.
Eye Exposure:	Flush immediately with water for at least 15 minutes while keeping eyes wide open. Get medical attention if irritation occurs or persists.
Skin Exposure:	Remove contaminated clothes. Wash thoroughly with soap and water. Get medical attention if irritation occurs or develops.
Ingestion:	Consult with a physician.
General:	In all cases of doubt, or when symptoms persist, seek medical attention.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms: No data available.

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Risks: Refer to Section 2.2 "Hazard Statements".

4.3 Indication of any Immediate Medical Attention and Special Treatment Needed

Treatment: Refer to Section 2.2 "Response".

5. Firefighting Measures

5.1 Extinguishing Media

Suitable: Carbon dioxide (CO₂), Dry Chemical, Foam, Water

Unsuitable: None known.

5.2 Special Hazards Arising from the Substance or Mixture

During Firefighting: Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low area.

5.3 Advice for Firefighters

Further Information: Wear personal protective equipment as appropriate to fire.

6. Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Avoid contact with eyes. Wear protective goggles.

6.2 Environmental Precautions

Prevent entry into sewers and waterways. Do not allow material to contaminate ground water system.

6.3 Methods and Materials for Containment and Cleaning Up

Pick up free liquid for recycling or disposal. Residual liquid can be absorbed on an inert material. Wash non-recoverable remainder with water. For disposal of residues refer to sections 8 & 13.

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6.4 Reference to Other Sections

Not applicable.

7. Handling and Storage

7.1 Precautions for Safe Handling

Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Do not drink, eat, or smoke while handling. Respect good personal hygiene. Keep out of the reach of children. Wash hands after use.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Keep container closed. Store in a cool, dry place. This product should be stored at room temperature (23 - 25°C). It should not be exposed to excessive heat or cold. Do not freeze. Avoid contact with strong oxidizers. Refer to the detailed list of incompatible materials (Section 10 Stability/Reactivity). Product may be packaged in normal commercial packaging.

7.3 Specific End Uses

No information available.

8. Exposure Controls/Personal Protection

8.1 Control Parameters

Exposure Limits: Contains no substances with occupational exposure limit values.
Engineering Controls: Use local exhaust as needed.

8.2 Exposure Controls – Personal Protective Equipment

Eye Protection: Wear safety glasses. Provide easy access to eye fountain in case of emergencies.
Respiratory Protection: Apply local exhaust.
Skin Protection: Use suitable protective gloves and clothing.

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9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Appearance:	Clear to slightly hazy liquid.
Odour:	Characteristic.
Colour:	Colourless to yellow.
State:	Liquid.
Solids (1g/1hr/105°C):	20 – 25%
Freezing Point:	0°C
Boiling Point:	100°C
Melting Point:	Not determined.
Flashpoint:	>200°F (93.33°C)
Oxidizing Properties:	None expected.
Vapour Pressure (mmHg@20):	~20 mm Hg
Ninhydrin:	Positive.
Specific Gravity @ 25°C:	0.994
Bacteriocins (HPLC):	5 – 10%
Minimum Inhibitory Concentration Organism (ATCC#):	E. coli (#8739): 0.25 – 1.00% S. aureus (#6538): 0.25 – 1.00% P. aeruginosa (#9027): 0.25 – 1.00% C. albicans (#10231): 0.25 – 1.00% A. brasiliensis (#16404): 0.25 – 1.00%
Heavy Metals:	< 20 ppm
Lead:	< 10 ppm
Arsenic:	< 2 ppm
Cadmium:	< 1 ppm
pH:	4 - 11
Solubility In:	Water.

10. Stability and Reactivity

10.1 Reactivity:	None.
10.2 Chemical Stability:	Stable under ordinary conditions of use and storage.
10.3 Possibility of Hazardous Reactions:	None known.
10.4 Conditions to Avoid:	No dangerous reactions known under use of normal conditions. Avoid extreme heat.
10.5 Incompatible Materials:	No dangerous reaction known with common products.

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10.6 Hazardous Decomposition Products: None known.

11. Toxicological Information

11.1 Toxicological Effects

Acute Toxicity Estimates (ATEs) based on the individual Ingredient Toxicity Data utilizing the "Additivity Formula".

Acute Toxicity – Oral:	Not classified – the classification criteria are not met.
Acute Toxicity – Dermal:	Not classified – the classification criteria are not met.
Acute Toxicity – Inhalation:	Not classified – the classification criteria are not met.
Skin Corrosion/Irritation:	Not classified – the classification criteria are not met.
Serious Eye Damage/Irritation:	Not classified – the classification criteria are not met.
Respiratory Sensitization:	Not classified – the classification criteria are not met.
Skin Sensitization:	Not classified – the classification criteria are not met.
Germ Cell Mutagenicity:	Not classified – the classification criteria are not met.
Carcinogenicity:	Not classified – the classification criteria are not met.
Reproductive Toxicity:	Not classified – the classification criteria are not met.
Specific Target Organ Toxicity – Single Exposure:	Not classified – the classification criteria are not met.
Specific Target Organ Toxicity – Repeated Exposure:	Not classified – the classification criteria are not met.
Aspiration Hazard:	Not classified – the classification criteria are not met.

12. Ecological Information

12.1 Toxicity

Acute Aquatic Toxicity: No data available.

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Chronic Aquatic Toxicity: No data available.
Toxicity Data on Soil: No data available.
Toxicity on Other Organisms: No data available.

12.2 Persistence and Degradability: Readily biodegradable.
12.3 Bioaccumulative Potential: No data available.
12.4 Mobility in Soil: No data available.
12.5 Other Adverse Effects: No data available.

13. Disposal Conditions

13.1 Waste Treatment Methods

Do not allow the product to be released into the Environment. Dispose of in accordance with relevant local regulations. Cleaning is not required prior to disposal.

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) Chemicals NOI				
	Not regulated – Not dangerous goods.			
IATA (Air Cargo) Chemicals NOI				
	Not regulated – Not dangerous goods.			
IMDG (Sea) Chemicals NOI				
	Not regulated – Not dangerous goods.			

15. Regulatory Information

U.S. Federal Regulations:

TSCA (Toxic Substance Control Act): All components of the substance/mixture are listed or exempt.
40 CER (EPCRA, SARA, CERCLA and CAA) This product contains NO components of concern.

U.S. State Regulations:

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California Proposition 65 Warning No warning required.

Canadian Regulations:

DSL/NDSL 100% of the components are listed or exempt.

16. Other Information

Remarks:

Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. Soap & More provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgement in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. As the ordinary or otherwise use(s) of this product is outside the control of Soap & More, no representation or warranty, expressed or implied, is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. The liability of Soap & More is limited to the value of the goods and does not include any consequential loss. Soap & More shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. Soap & More shall not be responsible for any damages resulting from use of or reliance upon this information. In the event of any dispute, the Customer hereby agrees that jurisdiction is limited to the province of Alberta.