

## **1. PRODUCT INFORMATION**

Product name : Lathanol LAL Powder (SLSa)  
INCI : Sodium Lauryl Sulfoacetate  
Use : Surfactant  
Supplier : Windy Point Soap Making Supplies Inc.  
Address : 14, 6125-12<sup>th</sup> Street SE, Calgary, AB T2H 2K1  
Telephone : 587-318-6678  
Emergency Telephone : (800) 225-3924 Canada, USA, Puerto Rico

## **2. HAZARDS IDENTIFICATION**

### **Classification of the substance or mixture**

Skin Corrosion/Irritation, Category 2

Serious Eye Damage/Eye Irritation, Category 2B

Hazardous to the aquatic environment, acute hazard, Category 2

Hazardous to the aquatic environment, long-term hazard, Category 3

Combustible dust, Classified

### **Label elements**

#### **Hazard pictogram(s)**



**Signal Word: Warning**

#### **Hazard statements**

CDUST May form combustible dust in air  
H315 Causes skin irritation  
H320 May cause an allergic skin reaction  
H401 Causes serious eye irritation  
H412 Harmful to aquatic life with long lasting effects

## Precautionary statements

### Prevention

- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking
- P233 Keep container tightly closed
- P240 Ground/bond container and receiving equipment
- P243 Take precautionary measures against static discharge
- P264 Wash hands thoroughly after handling
- P273 Avoid release to the environment
- P280 Wear protective gloves/protective clothing/eye protection/face protection

### Response

- P302 + P352 IF ON SKIN: Wash with soap and water
- P305 + P351 IF IN EYES: Rinse cautiously with water for several minutes Remove contact lenses if present and easy to do. continue rinsing  
+ P338
- P321 Specific treatment
- P332 + P313 IF SKIN irritation occurs: Get medical advice/attention
- P337 + P313 If eye irritation persists: Get medical advice/attention
- P362 Take off contaminated clothing and wash before reuse
- P401 Store away from incompatible materials
- P501 Dispose of contents/container in accordance with local, regional, national and international regulations

### Other Hazards

OSHA defined hazards Combustible dust Classified.

Prevent dust accumulation to minimize explosion hazard.

### Additional information

Product may form explosive dust/air mixtures if high concentration of product dust is suspended in air.

## **3. COMPOSITION / INFORMATION INGREDIENTS**

### Substances

No information available.

<b>Ingredient</b>	<b>CAS #</b>	<b>EC #</b>	<b>Conc. Range - %</b>	<b>Classification</b>
Acetic Acid, Sulfo-, 1-Dodecyl Ester, Sodium Salt	1847-58-1	217-431-7	64 - 85	
Sulfuric Acid Disodium Salt	7757-82-6	231-820-9	5 - 18	
Sodium Chloride (NaCl)	7647-14-5	231-598-3	10 - 18	

#### **4. FIRST AID MEASURES**

##### **Eye contact**

Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

##### **Skin contact**

Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

##### **Inhalation**

Move to fresh air. Call a physician if symptoms develop or persist.

##### **Ingestion**

Rinse mouth. Get medical attention if symptoms occur.

##### **Most important symptoms and effects, both acute and delayed**

Dusts may irritate the respiratory tract, skin and eyes. Exposed individuals may experience eye tearing, redness, and discomfort. Skin irritation. May cause redness and pain.

##### **Indication of any immediate medical attention and special treatment needed**

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

##### **General information**

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

#### **5. FIRE FIGHTING MEASURES**

##### **Suitable Extinguishing Media:**

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>). Apply extinguishing media carefully to avoid creating airborne dust.

##### **Unsuitable Extinguishing Media:**

Do not use water jet as an extinguisher, as this will spread the fire

### **Special hazards arising from the substance or mixture**

Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard. Class II Dust for National Electric Code (NFPA 70) During fire, gases hazardous to health may be formed.

### **Advice for firefighters**

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Use standard firefighting procedures and consider the hazards of other involved materials. May form combustible dust concentrations in air.

## **6. ACCIDENTAL RELEASE MEASURES**

### **Personal precautions, protective equipment and emergency procedures**

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Use only non-sparking tools. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of dust from the spilled material. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

### **Environmental precautions**

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

### **Methods and materials for containment and cleaning up**

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material.

Large Spills: Collect spillage. If sweeping of a contaminated area is necessary, use a dust suppressant agent which does not react with the product. Sweep up or vacuum up spillage and collect in suitable container for disposal. Collect dust using a vacuum cleaner equipped with HEPA filter. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Minimize dust generation and accumulation. Large Spills: Wet down with water and dike for later disposal. Prevent product from entering drains. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.

## **7. HANDLING AND STORAGE**

### **Precautions for safe handling**

Eliminate all sources of ignition. Combustible dust clouds may be created where operations produce fine material (dust). Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Handling and processing operations should be conducted in accordance with 'best practices' (e.g. NFPA-654). Avoid contact with skin. Avoid contact with eyes. Avoid contact with clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains.

### **Conditions for safe storage**

Keep away from heat, sparks and open flame. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

## **8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

### **Occupational exposure limits**

No exposure limits noted for ingredient(s).

### **Biological limit values**

No biological exposure limits noted for the ingredient(s).

### **Appropriate engineering controls**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks. Eye wash facilities and emergency shower must be available when handling this product.

### **Personal Protective Equipment**

#### **Eye protection**

Wear safety glasses with side shields (or goggles).

#### **Skin protection**

Wear appropriate chemical resistant gloves. Wear appropriate chemical resistant clothing.

#### **Respiratory protection**

In case of insufficient ventilation, wear suitable respiratory equipment.

#### **Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

#### **General hygiene considerations**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	: Powder.
Form	: Class II Dust for National Electric Code (NFPA 70).
Odour	: Not available.
Odour threshold	: Not available.
Colour	: White.
pH	: 6.3 (5% aqueous).
Melting point/freezing point	: Not available.
Initial boiling point and boiling range	: Not available.
Flash point	: Not available.
Evaporation rate	: Not applicable.
Flammability (solid, gas)	: Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	: Not available.
Flammability limit - upper (%)	: Not determined.
Explosive limit - lower (%)	: Not available.
Explosive limit - upper (%)	: Not available.
Vapour pressure	: Not applicable.
Vapour density	: Not applicable, powder.
Relative density	: Not available.
Solubility(ies) Solubility (water)	: Not available.
Auto-ignition temperature	: 752 °F (400 °C) (MAIT Cloud).
Decomposition temperature	: Not available.
Viscosity	: Not available.
Other information	
Pmax	: 7.1 bar Kst 90 bar.m/s
Limiting oxygen concentration (LOC)	: 15.2 % v/v
Minimum explosible concentration (MEC)	: 96 g/m <sup>3</sup>
Minimum ignition energy (MIE) - dust cloud	: > 1000 mJ
Particle size	: 39 µm (85% < 75 um)

## **10. STABILITY AND REACTIVITY**

### **Reactivity**

The product is stable and non-reactive under normal conditions of use, storage and transport.

### **Chemical stability**

Stable under normal conditions.

### **Possibility of hazardous reactions**

No dangerous reaction known under conditions of normal use.

### **Conditions to avoid**

Keep away from heat, sparks and open flame. Contact with incompatible materials. Minimize dust generation and accumulation.

### **Hazardous decomposition products**

No hazardous decomposition products are known.

### **Incompatible materials**

Strong oxidizing agents.

## **11. TOXICOLOGICAL INFORMATION**

### **Information on likely routes of exposure**

#### **Ingestion**

Expected to be a low ingestion hazard.

#### **Inhalation**

No adverse effects due to inhalation are expected.

#### **Skin contact**

Causes skin irritation.

#### **Eye contact**

Causes eye irritation.

### **Symptoms related to the physical, chemical and toxicological characteristics**

Exposed individuals may experience eye tearing, redness, and discomfort. Skin irritation. May cause redness and pain.

### **Information on toxicological effects**

#### **Acute toxicity**

Not available

#### **Skin corrosion/irritation**

Causes skin irritation

#### **Serious eye damage/eye irritation**

Causes eye irritation.

**Respiratory or skin sensitization**

**Respiratory sensitization**

Not available.

**Skin sensitization**

This product is not expected to cause skin sensitization.

**Germ cell mutagenicity**

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity**

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**Reproductive toxicity**

This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure**

Not applicable.

**Specific target organ toxicity - repeated exposure**

Not applicable.

**Aspiration hazard**

Not applicable.

**12. ECOLOGICAL INFORMATION**

Product	Species	Test Results
LATHANOL LAL POWDER		
<i>Acute</i>		
Algae	EC50	Algae 1.9 mg/l, 72 hours
Crustacea	LC50	Crustacea 5.9 mg/l, 48 hours
Fish	LC50	Fish 4.2 mg/l, 96 hours

**Persistence and degradability**

Readily biodegradable.

**Bioaccumulative potential**

No data available.



**Mobility in soil**

No data available.

**Other adverse effects**

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

**13. DISPOSAL CONSIDERATION**

**Disposal instructions**

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazardous waste code**

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products**

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging**

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

**14. TRANSPORT INFORMATION**

**DOT**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not available.

**15. REGULATORY INFORMATION**

**U.S. Federal Regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

Immediate Hazard - Yes

Delayed Hazard - No

Fire Hazard - Yes

Pressure Hazard - No

Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

No.

**SARA 311/312 Hazardous chemical**

Yes.

**SARA 313 (TRI reporting)**

Not regulated.

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)**

Not regulated.

**US State Regulations**

**US. Massachusetts RTK - Substance List**

Not regulated.

**US. Rhode Island RTK**

Not regulated.

**US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

### International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

### **16. OTHER INFORMATION**

Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.

#### **NFPA rating**



**DISCLAIMER AND CAUTION**

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