

Material Safety Data Sheet

MSDS No:

Version No:

Order No:

The Candlemaker's Store
4951 Hamilton-Middletown Rd Liberty Township, Oh 45011
513-868-9425

Emergency Assistance

For emergency assistance involving chemicals call
Chemtrec - (800) 424-9300

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name LATHANOL LAL POWDER
Version # 19
Revision date 12-02-2023
Product code 0541
Chemical class Sulfoacetate
Manufacturer Stepan Company
22 West Frontage Road
Northfield, IL 60093
Emergency Medical 1-800-228-5635
Chemtrec 1-800-424-9300
Chemtrec Int'l +1 703-527-3887
General information General 1-847-446-7500

2. Hazards Identification

Emergency overview WARNING
May form combustible dust concentrations in air. Causes eye irritation. Causes skin irritation. May be harmful in contact with skin. May be harmful if swallowed.

Potential health effects
Eyes Causes eye irritation.
Skin Causes skin irritation. May be harmful if absorbed through skin.
Inhalation Prolonged inhalation may be harmful.
Ingestion May be harmful if swallowed.

3. Composition / Information on Ingredients

Components	CAS #	Percent
Sodium Lauryl Sulfoacetate	1847-58-1	64 - 85
Sodium chloride	7647-14-5	10 - 18
Sodium sulfate	7757-82-6	5 - 18

4. First Aid Measures

First aid procedures
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 Rinse skin with water/shower. Call a POISON CENTER or doctor/physician if you feel unwell. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
Inhalation If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
Ingestion Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

5. Fire Fighting Measures

Flammable properties Not flammable by OSHA criteria. Not combustible by OSHA criteria. None known.
Extinguishing media
Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). 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.

Protection of firefighters

Specific hazards arising from the chemical

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.

Protective equipment and precautions for firefighters

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

6. Accidental Release Measures

Personal precautions

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. 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 MSDS.

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 for containment

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Collect spillage. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product.

Methods for cleaning up

Minimize dust generation and accumulation. Ventilate the contaminated area. Wear appropriate protective equipment and clothing during clean-up. Should not be released into the environment. Prevent product from entering drains. Do not allow material to contaminate ground water system. Small Dry Spills: With clean shovel place material into clean, dry container and cover loosely; move containers from spill area. Collect dust using a vacuum cleaner equipped with HEPA filter. Following product recovery, flush area with water. This material and its container must be disposed of as hazardous waste. For waste disposal, see section 13 of the MSDS.

7. Handling and Storage

Handling

Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Prevent dust accumulation to minimize explosion hazard. 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). Ground/bond container and receiving equipment. Avoid contact with skin. Avoid contact with eyes. Avoid contact during pregnancy/while nursing. Avoid prolonged exposure. Avoid contact with clothing. Do not use in areas without adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash thoroughly after handling. Wash contaminated clothing before reuse. Avoid release to the environment. Do not empty into drains.

Storage

CAUTION Store locked up. 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 in a well-ventilated place. Store away from incompatible materials (see Section 10 of the MSDS). Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

8. Exposure Controls / Personal Protection

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. Ensure adequate ventilation, especially in confined areas. 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

General	Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
Eye / face protection	Wear eye/face protection. Wear safety glasses with side shields (or goggles).
Skin protection	Wear appropriate chemical resistant clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
General hygiene considerations	When using, do not eat, drink or smoke. 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 & Chemical Properties

Appearance	Powder.
Color	White.
Physical state	Solid.
Form	Class II Dust for National Electric Code (NFPA 70) Pmax = 7.1bar Kst = 90 bar m/s Minimum Ignition Energy (MIE) = 1000 mJ Minimum Explosible Concentration (MEC) = 96 g/m3 Minimum Autoignition Temperature (MAIT Cloud) = 400 C Limiting Oxygen Concentration (LOC) = 15.2 vol. % Mean particle size = 39 (85% < 75) micrometer
pH	6.3000 (5% Aqueous)
Evaporation rate	Not Applicable
Flammability limits in air, upper, % by volume	NOT DETERMINED.
Vapor pressure	Not Applicable
Vapor density	Not applicable, powder.
Auto-ignition temperature	752 °F (400 °C) (MAIT Cloud)
RVOC	0 %

10. Stability & Reactivity

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Keep away from heat, sparks and open flame. Contact with incompatible materials. Minimize dust generation and accumulation.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.

11. Toxicological Information

Sensitization	Not classified.
Acute effects	May be harmful if swallowed. May be harmful in contact with skin.
Local effects	Irritating to eyes.
Chronic effects	Prolonged inhalation may be harmful.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Skin corrosion/irritation	Causes skin irritation.
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Reproductive effects	This product is not expected to cause reproductive or developmental effects.
Symptoms and target organs	Exposure may cause temporary irritation, redness, or discomfort. Skin irritation. May cause redness and pain.

12. Ecological Information

Ecotoxicological data

Product	Test Results
LATHANOL LAL POWDER	EC50 Algae: 1.9 mg/l 72 hours LC50 Crustacea: 5.9 mg/l 48 hours LC50 Fish: 4.2 mg/l 96 hours
Ecotoxicity	Toxic to aquatic life. Harmful to aquatic life with long lasting effects.
Persistence / degradability	Readily biodegradable.

13. Disposal Considerations

Waste codes	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal instructions	Dispose of contents/container in accordance with local/regional/national/international regulations.
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

Notes	Refer to bill of lading or container label for DOT or other transportation hazard classification, if any.
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15. Regulatory Information

US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
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Reportable Quantity	There is no calculable reportable quantity (RQ) for this product.
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CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 302 extremely hazardous substance	No
Section 311 hazardous chemical	Yes

Inventory status

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).

State regulations	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.
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US - Pennsylvania RTK - Hazardous Substances: Listed substance

Sodium sulfate (CAS 7757-82-6)	Listed.
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16. Other Information

Recommended restrictions

For industrial use only.

Further 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.

HMIS® ratings

Health: 2
Flammability: 1
Physical hazard: 0
Personal protection: X

NFPA ratings

Health: 2
Flammability: 1
Instability: 0

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Issue date

12-02-2023

This data sheet contains changes from the previous version in section(s):

This document has undergone significant changes and should be reviewed in its entirety.

contact

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