

LATHANOL® LAL POWDER

Version
1.2Revision Date:
05/21/2026Date of last issue: 08/14/2025
Date of first issue: 10/04/2023

SECTION 1. IDENTIFICATION

Product name : LATHANOL® LAL POWDER

Product code : 1050530

Manufacturer or supplier's details

Company name of supplier : STEPAN US

Address : 1101 Skokie Blvd, Suite 500
Northbrook IL 60062

Telephone : (847) 446-7500

Emergency telephone Medical 1-800-228-5635 (Available 24 hours a day.
SDS/Product information may not be
available for the emergency service.)

Chemtrec 1-800-424-9300

Chemtrec Int'l 1-703-527-3887

Recommended use of the chemical and restrictions on use

Recommended use : Surfactant

Restrictions on use : For industrial use only.

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Combustible dust

Serious eye damage : Category 1

Short-term (acute) aquatic hazard : Category 2

Long-term (chronic) aquatic hazard : Category 3

GHS label elements

Hazard pictograms :



Signal Word : Danger

Hazard Statements : May form combustible dust concentrations in air.
H318 Causes serious eye damage.
H401 Toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.Precautionary Statements : **Prevention:**
P273 Avoid release to the environment.

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P280 Wear eye protection/ face protection.

Response:

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

Dust can form an explosive mixture in air.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**Components**

Chemical name	CAS-No.	Concentration (% w/w)
sodium 2-(dodecyloxy)-2-oxoethane-1-sulphonate	1847-58-1	65 - 74
sodium chloride	7647-14-5	10 - 18
sodium sulphate	7757-82-6	5 - 18

SECTION 4. FIRST AID MEASURES

General advice	: Immediate medical attention is required. Show this material safety data sheet to the doctor in attendance.
If inhaled	: Remove person to fresh air. If signs/symptoms continue, get medical attention.
In case of skin contact	: Remove contaminated clothing and shoes. Wash off with soap and water. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse.
In case of eye contact	: In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Continue rinsing. Get medical attention immediately.
If swallowed	: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.
Most important symptoms and effects, both acute and delayed	: Causes serious eye damage.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	: Carbon dioxide, dry powder, foam. Fog
Unsuitable extinguishing	: High pressure inert gas, e.g. carbon dioxide jet.

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media	Water spray jet
Specific hazards during fire fighting	: 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. May form explosive mixtures in air.
Further information	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. In the event of fire and/or explosion do not breathe fumes.
Special protective equipment for fire-fighters	: In the case of respirable dust and/or fumes, use self-contained breathing apparatus and dust impervious protective suit.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid dust formation. Pick up and arrange disposal without creating dust. Knock down dust with water spray jet.
Environmental precautions	: Local authorities should be advised if significant spillages cannot be contained. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	: Use dust explosion-proof type electric equipment and lighting. Electrically conductive containers must be grounded. Non-sparking tools should be used. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Technical measures	: Take precautionary measures against static discharges when there is a risk of dust explosion. Ensure that eyewash stations and safety showers are close to the workstation location.
Advice on protection against fire and explosion	: Provide appropriate exhaust ventilation at machinery and at places where dust can be generated. During processing, dust may form explosive mixture in air. Fine dust dispersed in air may ignite. Normal measures for preventive fire protection. Avoid dust formation.

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Advice on safe handling	: - Wear personal protective equipment. - For personal protection see section 8. - Provide sufficient air exchange and/or exhaust in work rooms. - As a rule, at least 10 air changes per hour are recommended at the workplace. - Handle and open container with care. - Keep container closed when not in use. - Do not get in eyes or mouth or on skin. - Do not swallow. - Do not breathe dust, fume, gas, mist, vapors or spray. - Do not breathe dust. - Avoid creating dust. - Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. - Dust must be collected and disposed of carefully. - Minimize dust generation and accumulation. - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. - Use explosion-proof electrical, ventilating and lighting equipment. - Provide for appropriate exhaust ventilation and dust collection at machinery. - Remove dust regularly from electrical supply and distribution points. - Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. - Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. - Do not use sparking tools. - Wash skin thoroughly after handling. - Do not eat, drink or smoke when using this product.
Conditions for safe storage	: - Keep in properly labeled containers. - Store in original container. - Keep tightly closed. - Store locked up. - Keep cool. Protect from sunlight. - Keep away from sources of ignition - No smoking. - Keep in an area equipped with sprinklers. - Take measures to prevent the build up of electrostatic charge.
Materials to avoid	: Store away from incompatible materials (see Section 10 of the SDS).
Further information on storage stability	: No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Ingredients with workplace control parameters**

Contains no substances with occupational exposure limit values.

Engineering measures : Dust formation may be relevant in the processing of this product. In addition to substance-specific OELs, general limitations of concentrations of particulates in the air at workplaces have to be considered in workplace risk

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assessment. Relevant limits include: OSHA PEL for Particulates Not Otherwise Regulated of 15 mg/m³ - total dust, 5 mg/m³ - respirable fraction; and ACGIH TWA for Particles (insoluble or poorly soluble) Not Otherwise Specified of 3 mg/m³ - respirable particles, 10 mg/m³ - inhalable particles.

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).

Personal protective equipment

Respiratory protection	:	In case of insufficient ventilation, wear suitable respiratory equipment. In the case of dust or aerosol formation use respirator with an approved filter.
Hand protection	:	
Remarks	:	Protective gloves The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Eye protection	:	Tightly fitting safety goggles Face-shield
Skin and body protection	:	Lightweight protective clothing Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
Protective measures	:	Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing
Hygiene measures	:	Do not taste or swallow. General industrial hygiene practice. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and immediately after handling the product.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	powder
Color	:	white
Odor	:	characteristic
pH	:	5.0 - 7.5 (1% dilution in water)
Melting point/freezing point	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	Not applicable
Flammability (solid, gas)	:	May form combustible dust concentrations in air.

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Lower explosion limit / Lower flammability limit	:	Limiting Oxygen Concentration 15.2 %(V)
Vapor pressure	:	0.13 hPa (68 °F / 20 °C)
Relative vapor density	:	No data available
Relative density	:	No data available
Solubility(ies)		
Water solubility	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Autoignition temperature	:	752 °F / 400 °C
Decomposition temperature	:	No data available
Viscosity		
Viscosity, kinematic	:	No data available
Explosive properties	:	High concentration of airborne dust may form explosive mixture with air.
Minimum explosible dust concentration	:	96 g/m ³
Dust deflagration index (Kst)	:	90 m.b./s
Dust explosion class	:	Class II Dust for National Electrical Code (NFPA 70)
Minimum ignition energy	:	1,000 mJ
Particle characteristics		
Particle size	:	0.039 mm

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Stable under recommended storage conditions.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	Stable under recommended storage conditions.
Conditions to avoid	:	Temperatures greater than recommended storage temperature. Heat, flames and sparks. Minimize dust generation and accumulation.
Incompatible materials	:	Strong oxidizing agents

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Based on available data, the classification criteria are not met.

Product:

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Acute oral toxicity	:	LD50: > 2,000 mg/kg Assessment: The component/mixture is minimally toxic after single ingestion.
Acute inhalation toxicity	:	Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity	:	LD50: > 2,000 mg/kg Assessment: The substance or mixture has no acute dermal toxicity

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Product:

Result : No skin irritation

Serious eye damage/eye irritation

Causes serious eye damage.

Product:

Result : Corrosive

Respiratory or skin sensitization**Skin sensitization**

Based on available data, the classification criteria are not met.

Respiratory sensitization

Based on available data, the classification criteria are not met.

Product:

Result : Non sensitising

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Product:

Germ cell mutagenicity - Assessment : Weight of evidence does not support classification as a germ cell mutagen.

Carcinogenicity

Based on available data, the classification criteria are not met.

Product:

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

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NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified due to lack of data.

Product:

Reproductive toxicity - Assessment : No toxicity to reproduction

STOT-single exposure

Based on available data, the classification criteria are not met.

Product:

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Product:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity**Product:**

Remarks : No data available

Aspiration toxicity

Based on available data, the classification criteria are not met.

Product:

No aspiration toxicity classification

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:**Toxicity to fish : LC50 (Fish): 4.2 mg/l
Exposure time: 96 hToxicity to daphnia and other aquatic invertebrates : LC50 (Crustaceans): 5.9 mg/l
Exposure time: 48 hToxicity to algae/aquatic plants : EC50 (algae): 1.9 mg/l
Exposure time: 72 h

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Acute aquatic toxicity : Toxic to aquatic life.

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

Persistence and degradability**Product:**

Biodegradability : Result: Readily biodegradable.

Bioaccumulative potential**Product:**

Bioaccumulation : Remarks: No data available

Mobility in soil

No data available

Other adverse effects**Product:**

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : Dispose of contents/ container to an approved waste disposal plant.
The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION**International Regulations****UNRTDG**

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

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

Not applicable for product as supplied.

Domestic regulation**49 CFR**

Not regulated as a dangerous good

Special precautions for user

Not applicable

SECTION 15. REGULATORY INFORMATION**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Combustible dust
Serious eye damage or eye irritation

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

The ingredients of this product are reported in the following inventories:

TSCA : On the inventory, or in compliance with the inventory

AIIC : On the inventory, or in compliance with the inventory

DSL : On the inventory, or in compliance with the inventory

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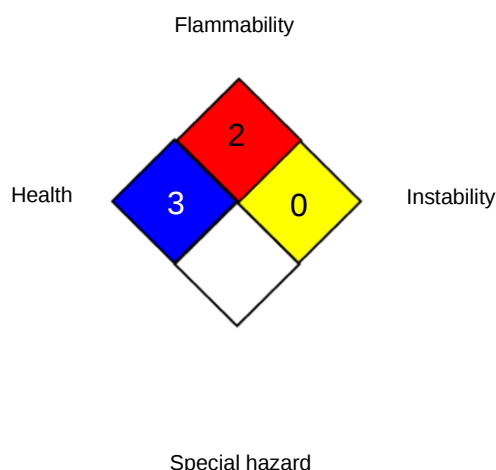
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IECSC	:	Not in compliance with the inventory
ENCS	:	On the inventory, or in compliance with the inventory
ISHL	:	Not in compliance with the inventory
NZIoC	:	Not in compliance with the inventory
PICCS	:	Not in compliance with the inventory
TCSI	:	Not in compliance with the inventory

SECTION 16. OTHER INFORMATION

Further information

NFPA 704:



HMIS® IV:

HEALTH	/	3
FLAMMABILITY		2
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemi-

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