

Material Safety Data Sheet

LAURYL MYRISTYL ALCOHOL

Section 1 - Product Identification

Product Name : Lauryl Myristyl Alcohol
 Company Identification : Tradeasia International Pte. Limited
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Section 2 – Composition / Information on ingredients

COMPONENT	CAS NUMBER	CONCENTRATION
1-Dodecanol	112-53-8	60 -71%
1-Tetradecanol	112-72-1	25 – 31%
1-Hexadecanol	36653-82-4	5 – 8%

Section 3 – Hazard Identification

Classification of the substance or mixture

Product Classification per 29 CFR 1910.1200: Serious Eye Damage/Eye Irritation Category 2A)

GHS Label Elements

Pictograms:



Signal word: WARNING

Hazard and precautionary statements

Hazard Statements: Causes serious eye irritation.

Recommended safety precautions

Injury prevention

Wash thoroughly after handling.

Wear chemical-resistant gloves and clothing, eye protection and face protection.

Emergency Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

Hazards not otherwise classified

Pyrophoric gases: Not applicable

Simple Asphyxiants: Not applicable

Other Known Hazards: None

Section 4 – First-Aid Measures

Inhalation	If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen.
Skin Contact	For skin contact, wash immediately with soap and water. If necessary, seek medical attention.
Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes. If necessary, seek medical attention.
Ingestion	If the material is swallowed, get immediate medical attention or advice.
Symptoms of Exposure	None known
Notes to Physician	Provide general supportive measures and treat symptomatically.

Section 5 – Fire Fighting Measures

Flammable Properties: Refer to SECTION 9: Physical and Chemical Properties

Hazardous Products of Combustion: Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Properties that could Increase Fire or Explosion Hazard: No known hazards.

Extinguishing Media: Powder, alcohol-resistant foam, CO₂, & sand

Firefighting Instructions: Firefighters should wear full protective clothing including self-contained breathing apparatus.

Section 6 – Accidental Release Measures

Response to Small Spills of Product

Spill Containment: Dike the spilled material, where this is possible.

Spill Cleanup Procedures: Collect the spilled material with an inert absorbent such as sand or vermiculite. Place in properly labeled closed container.

Required Equipment: Shovel the material into waste container.

Additional Information: No other spill procedures necessary.

Response to Large Spills of Product

Spill Containment: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Block any potential routes to water systems.

Spill Cleanup Procedures: Absorb spill with inert material. Shovel material into appropriate container for disposal. Wear appropriate protective equipment and clothing during clean-up.

Thoroughly wash the area with water after a spill or leak clean-up. Do not allow the spilled product to enter public drainage system or open water courses.

Required Equipment: Shovel the material into waste container.

Additional Information: No other spill procedures necessary

Section 7 – Handling & Storage

Handling Requirements	As with all chemicals, good industrial hygiene practices should be followed when handling this material. Avoid contact with skin and eyes. Wash hands after handling and before eating. Keep away from sources of ignition.
Storage Requirements	Keep the container tightly closed and in a cool, well-ventilated place. Eliminate all sources of ignition. If product is stored in bulk, nitrogen padding is recommended.

Section 8 – Exposure Controls / Personal Protection (later)

Engineering Controls: Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

Personal Protective Equipment

Eye / Face Protection: Wear chemical goggles and face shield.

Hand Protection: Use impervious gloves.

Skin Protection: Normal work clothing (long sleeved shirts and long pants) is recommended.

Respiratory Protection: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever there may be potential for airborne exposure.

Exposure Limits

OSHA: No exposure limits established for this product

ACGIH: No exposure limits established for this product

Section 9 – Physical and Chemical Properties

Appearance (20°C): Clear, colorless liquid

Odor: Characteristic odor

Odor Threshold: No data available

pH: No information available

Vapor Density: No data available

Vapor Pressure: 10 mmHg @ 145°C

Evaporation Rate: No data available

Relative Density: 0.83 @ 30°C

Melting Point: 22°C

Solubility: Insoluble in water

Initial Boiling Point: No data available

Boiling Range: No data available

Partition Coefficient (n-Octanol/Water): No data available

Viscosity: No data available

Decomposition Temperature: No data available

Flammability: Class IIIB

Flash Point (Cleveland Open Cup): 144°C

Auto-Ignition Temperature: No data available

Upper Explosive Limit: No data available

Lower Explosive Limit: No data available

Section 10 – Stability and Reactivity

Chemical Stability: Stable under normal conditions.

Conditions To Avoid: None known

Incompatible Materials (Reactivity): None known.

Incompatible Materials (Storage & Transport): No information available.

Hazardous Decomposition Products: None known.

Hazardous Polymerization: Will not occur

Section 11 – Toxicological Information

Acute Effects

Eye Effects: This product may cause irritation to the eyes.

Skin Effects: This product may cause irritation to the skin.

Acute Oral Effects (Ingestion): Not a likely route of entry.

Acute Inhalation Effects: This product may cause slight irritation to the respiratory system.

Target Organs: No known effects.

Chronic Effects

Teratology: No data available for this product.

Reproductive and Developmental Toxicity: No information available.

Carcinogenicity

None of the components of this product are listed on the OSHA Possible or Select Carcinogens Lists.

None of the components of this product are listed on the ACGIH Carcinogens List.

No limits established for this product by the International Agency for Research on Cancer (IARC).

None of the components of this product are listed on the NTP Known or Suspected Carcinogens List.

Lethal Dose (LD50 & LC50) Data

LD50 Oral: LD50 Oral Rat > 8300 mg/kg

LD50 Dermal: LD50 Dermal Rabbit > 10200 mg/kg

Lethal Dose (LD50 & LC50) DATA for PRODUCT COMPONENTS

LD50 Oral	LD50 Oral Rat > 5000 mg/kg LD50 Oral Rat > 5 g/kg	Dodecyl alcohol 1-Tetradecanol 1-Hexadecanol
LD50 Dermal	LD50 Dermal Rabbit > 5 mg/kg	1-Tetradecanol

Medical Conditions Aggravated by Exposure: No information available.

Routes of Entry: Routes of entry for solids and liquids include eye and skin contact, ingestion, and inhalation.

Section 12 – Ecological Information

UN GHS Aquatic Toxicity Classification Information

Aquatic Toxicity Classification: Acute 1 / Chronic 1

Hazard Statement: Very toxic to aquatic life / Very toxic to aquatic life with long lasting effects.

Prevention: Avoid release to the environment.

Response: Collect spillage.

Disposal: Dispose of contents and container in accordance with local, national, and international regulations for hazardous wastes.

Additional Environmental Information

Ecotox. Information: None determined

Environmental Fate: No data available for this product.

Biological Oxygen Demand (BOD5), g/g: No data available

Chemical Oxygen Demand (COD), g/g: No data available

Persistence & Degradability: No data available

Section 13 – Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations

Section 14 – Transport Information

US DOT / IATA/ IMDG

UN Number: UN3082

UN Proper Shipping Name: Environmentally hazardous substances, liquid, n.o.s. (containing 1-dodecanol)

Transport Hazard Class (es): Class 9

Packing Group: PG III

Reportable Quantity (RQ): No reportable quantity for this product

Emergency Response Guidebook (ERG) Reference: 171

Marine Pollutant: Marine Pollutant

Section 15 – Regulatory Information

Toxic Substances Control Act (TSCA): This product is listed on the U.S. EPA TSCA Inventory.

Export Notifications: This product is not subject to TSCA 12B Export Notification requirements.

Significant New Use Rule (SNUR): This material is not subject to a Significant New Use Rule under the US Toxic Substances Control Act.

International Chemical Inventories: All of the components of this product are listed on the following inventories:

Emergency Planning and Community Right to Know Act (EPCRA)

40 CFR Part 355, Appendix A

EHS Components: No limits established for this product.

313 Components: No limits established for this product.

CERCLA/SARA Components: No limits established for this product.

EPCRA Section 311/312 Classification

Acute: Yes

Chronic: No

Fire: No

Pressure: No

Reactive: No

Other Federal Regulations

The following components are identified under the Clean Air Act HON-Rule for

SOCMI chemicals: No regulated components

The following components are identified under the Clean Air Act (VOCs in SOCMI chemicals): Hexadecyl alcohol (CAS# 36653-82-4)

The following components are identified under the Clean Air Act as Hazardous Air

Pollutants (HAP): No regulated components

The following components are identified under the Clean Air Act HON-Rule

Hazardous Air Pollutants (HAP): No regulated components

The following components are identified under the Clean Water Act: No limits established for this product.

State Right-To-Know Information: None of the components of this product are included on the state right-to-know regulatory lists for California, Florida, Massachusetts, Michigan, Pennsylvania, or New Jersey.

HMIS Rating

Health: 2

Flammability: 1

Reactivity: 0

Personal Protection: D

NFPA Rating

Health: 2

Flammability: 1

Reactivity: 0

Section 16: Additional Information

Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.