

Section 1. Product and Company Identification

Product Name Lauryl Alcohol
CAS Number 112-53-8

Parchem - fine & specialty chemicals
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EMERGENCY RESPONSE NUMBER
CHEMTEL
Toll Free US & Canada: 1 (800) 255-3924
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Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

GHS Classification

Skin irritation (Category 2)
Eye irritation (Category 2A)
Specific target organ toxicity - single exposure (Category 3)
Acute aquatic toxicity (Category 1)
Chronic aquatic toxicity (Category 1)

GHS Label Elements

Pictograms:



Signal word: Warning

Hazard and precautionary statements

Hazard Statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P273 Avoid release to the environment.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 Dispose of contents/ container to an approved waste disposal plant.



Emergency Overview

OSHA Hazards: Corrosive

HMIS Rating

Health: 3

Flammability: 1

Physical Hazards: 0

NFPA Rating

Health Hazard: 3

Fire: 1

Reactivity Hazard: 0

Potential Health Effects

Inhalation: May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

Skin Contact: May be harmful if absorbed through skin. Causes skin burns.

Eye Contact: Causes eye burns.

Ingestion: May be harmful if swallowed.

Section 3. Composition / Information on Ingredients

Common Name	Lauryl Alcohol
Synonym(s)	1-Dodecanol; Lauryl alcohol; Dodecyl alcohol; Alcohol C12
Formula	$C_{12}H_{26}O$
CAS Number	112-53-8

Section 4. First Aid Measures

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. If necessary, seek medical attention.

Skin Contact: For skin contact, wash immediately with soap and water. If necessary, seek medical attention.

Ingestion: If the material is swallowed, get immediate medical attention or advice.

Inhalation: If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen.

Notes to Physician: Provide general supportive measures and treat symptomatically.



Section 5. Firefighting Measures

Flammable Properties

Flash Point (Cleveland Open Cup): 277°F

Upper Flammable Limit: Not Applicable

Lower Flammable Limit: Not Applicable

Flammability Classification: Class III B

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: Foam (preferred), dry chemical, water.

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

Section 6. Accidental Release Measures

Small Spill

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

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

Equipment: Shovel the material into waste container.

Other Emergency Advice: No other spill procedures necessary.

Large Spill

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

Cleanup Procedures: No other spill procedures necessary.

Equipment: No additional information on equipment.

Other Emergency Advice: No other spill procedures necessary.

Evacuation Procedure: Evacuate the area promptly and keep upwind of the spilled material. Isolate the spill area to prevent people from entering.

Section 7. Handling and Storage

Handling: Do not get this material in your eyes, on your skin, or on your clothing.

Storage: Keep this material in a cool, dark, well-ventilated place.

Section 8. Exposure Controls / Personal Protection

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



Personal Protective Equipment

Eye/Face Protection: Wear chemical goggles and a full 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: No limits established for this product.

The following components are listed on the Canadian WHMIS Ingredient Disclosure List (IDL):

Component	CAS#	Percent	Minimum Concentration
Lauryl Alcohol	112-53-8	90 - 99%	1%
1-Decanol	112-30-1	< 0.1%	1%

Section 9. Physical and Chemical Properties

Appearance: Clear liquid / white solid

Odor: Mild odor

Solubility In Water: Insoluble in water

pH: Not applicable

Specific Gravity (30°C): 0.83

Volatiles: Not evaluated

Melting Point: 24°C

Vapor Pressure (25°C): 0 Pa

Section 10. Stability and Reactivity

Chemical Stability: Stable under normal conditions

Conditions to Avoid: None known

Hazardous Decomposition Products: None known

Hazardous Polymerization: Will not occur

Section 11. Toxicological Information

Acute Effects

Eye Effects: No significant eye irritation can be expected from contact with this product.

Skin Effects: No skin irritation can be expected from single short-term exposure to this product. Prolonged or repeated contact may produce some irritation.

Acute Oral Effects (Ingestion): This product may be harmful if it is swallowed.

Acute Inhalation Effects: Dusts of this product may cause irritation of the nose, throat, and respiratory tract.

Subchronic Effects: No known effects



Chronic Effects

Mutagenicity

Ames Test (Salmonella typhimurium TA98, TA100, TA1535, TA1537, TA1538):

Negative

Teratology: No data available for this product.

Reproductive and Developmental Toxicity: No information available.

Carcinogenicity: No limits established for this product. 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. None of the components of this product are listed on the NTP Known or Suspected Carcinogens Lists.

Acute Oral Toxicity

LD50 Oral for Product: > 2000 mg/kg (Rat, female and male)

LD50 for Ingredients - Dodecyl alcohol: Oral LD50 (Rat): > 5,000 mg/kg

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.

Other Toxicological Information

Skin Irritation: Rabbit, 100%, 4 hr. semi-occluded application (OECD404): Irritant

Eye Irritation: Rabbit, 100%, OECD Guidelines No.405: Non Irritant

Sensitization: Guinea Pig, Guinea Pig Maximization Test: Negative

Section 12. Ecological Information

Aquatic Toxicity: Rainbow trout, 96h, LC50: > 1.0 mg/L (The highest attainable test concentration)

Ecotoxicological Information: None determined

Environmental Information: CO₂ Evolution Test (OECD301 B): 50% (28 days)

Biological Oxygen Demand (BOD5): No data available

Chemical Oxygen Demand (COD): 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

DOT Shipping Information

Proper Shipping Name: Environmentally Hazardous Substances, Solid, N.O.S.

Technical Name (if N.O.S. Description): Dodecanol

UN/NA Number: UN3077

Hazard Class: 9

Packing Group: III

Shipping Name, if RQ shipment: Not applicable

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

Emergency Response Guidebook: 171

International Information

Proper Shipping Name

IMO: Environmentally Hazardous Substances, Solid, N.O.S.

IATA/ICAO: Environmentally Hazardous Substances, Solid, N.O.S.

Marine Pollutant: Marine Pollutant

Section 15. Regulatory Information

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

TSCA Export Notification: No limits established for this product.

International Chemical Inventories

All of the components of this product are listed on the following chemical inventories:

DSL (Canada): Yes

NDSL (Canada): Not applicable

ENCS (Japan): Yes

EINECS (Europe): Yes

ELINCS (Europe): Not applicable

SWISS (Switzerland): Yes

IECSC (China): Yes

PICCS (Philippines): Yes

ECL (Korea): Yes

AICS (Australia): Yes

Superfund Amendments and Reauthorization Act Title III

Emergency Planning and Community Right to Know, Per 40 CFR 355, APP. 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.



Section 311/312 Classification

Acute: No
Chronic: No
Fire: No
Pressure: No
Reactive: No

Other Federal Regulations

The following chemical components are identified under the Clean Air Act HON-Rule for SOCM I
Chemicals: No regulated components

The following chemical components are identified under the Clean Air Act (VOC's in SOCM I)

Chemical Name: 1-Decanol
CAS Number: 112-30-1

The following chemical components are identified under the Clean Air Act as Hazardous Air
Pollutants (HAP's): No regulated components
The following chemical components are identified under the Clean Air Act as HON-Rule Hazardous
Air Pollutants (HAP's): No regulated components
The following chemical components are identified under the Clean Water Act: No limits established
for this product.

State Right to Know Information

The components of this product are listed on the following State Right to Know Lists:

Component	CAS Number	State List
1-Decanol	112-30-1	Pennsylvania-RTK List

None of the components of this product are listed on the California Proposition 65 lists.

Section 16. Other 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.

REVISION DATE: 6/10/2015