



**JEEN INTERNATIONAL CORPORATION**

24 Madison Road, Fairfield, New Jersey 07004, USA  
Tel: 800-771-JEEN (5336), Tel: 973-439-1401, Fax: 973-439-1402,  
email: [info@jeen.com](mailto:info@jeen.com) , Website: [www.jeen.com](http://www.jeen.com)

#### MATERIAL SAFETY DATA SHEET

#### SECTION 1 – CHEMICAL PRODUCT AND MANUFACTURER IDENTIFICATION

Manufacturer's Name:  
JEEN International Corp.  
24 Madison Road  
Fairfield, NJ 07004  
Tel.# 973-439-1401

Chemtrec Emergency Telephone No.: 800-424-9300  
Chemtrec International Telephone No.:703-527-3887  
(Collect Calls Accepted)

LATEST REVISION: 01-04-2004

TRADE NAMES:  
CHEMICAL IDENTITY:  
CAS #:

**LAURYL ALCOHOL**  
1-Dodecanol  
112-53-8

#### SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>Components</u>	<u>CAS Number</u>	<u>Weight %</u>
1-Dodecanol	112-53-8	98
1-Tetradecanol	112-72-1	1.5
1-Decanol	112-30-1	0.5

See Section 8 for Exposure Guidelines and Section 15 for Regulatory Classifications.

#### SECTION 3 – HAZARDS IDENTIFICATION

##### Emergency Overview

Colorless liquid. Sweet, pungent odor. HEALTH HAZARD: In high concentrations, vapors may cause irritation of eyes, nose, and throat, dizziness and headache.

SPILL PRECAUTIONS: Slippery, may cause falls if walked on.

##### Potential Health Effects

**EYES:** Irritation may occur with exposure to vapors.

**SKIN:** Repeated or prolonged contact can cause redness, irritation, and scaling of the skin (dermatitis). Normal care and personal hygiene should prevent skin effects.

**INHALATION:** In high concentrations, vapor may cause irritation of the nose and throat, dizziness, and headache.

**INGESTION:** Prolonged exposure may lead to changes in liver function.

(See Section 11 for Toxicological Information)

#### SECTION 4 – FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention.

**SKIN:** Remove contaminated clothing. Wash skin with soap and plenty of water. Get medical attention if symptoms occur. Wash clothing before reuse.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration and seek medical attention immediately. Oxygen should only be administered by trained personnel.

**INGESTION:** If swallowed, call a physician immediately ONLY induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.



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#### SECTION 5 – FIRE FIGHTING MEASURES

##### Flammable Properties

Flash Point / Method:	265 Deg. F (129 Deg. C) / PM
Auto-ignition Temperature:	500 Deg. F (260 Deg. C)
Flammable Limits in Air % by Volume:	Lower: Approximately 0.6 Upper: Approximately 5.1
Fire and Explosion Hazard:	None expected
Extinguishing Media:	Water spray, fog or alcohol compatible foam is recommended
Fire Fighting Instructions:	Cool exposed equipment with water spray until well after fire is out. Self-contained breathing apparatus (SCBA) and structural firefighter's protective clothing will provide limited protection.

#### SECTION 6 – ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK:** Contain the spill if possible. Material will solidify (freeze) at ambient temperatures and may be picked up mechanically. Dispose of only in accordance with local, state, and federal regulations.

**SPILL PRECAUTIONS:** Slippery, may cause falls if waked on.

##### **CERCLA HAZARDOUS SUBSTANCE:**

<u>Component</u>	<u>CERCLA RO</u>	<u>Maximum Wt. %</u>
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Contains no chemicals on the CERCLA Hazardous Substance List.

#### SECTION 7 – HANDLING AND STORAGE

ELECTROSTATIC ACCUMMULATION HAZARD:	Precautions should be taken to prevent electrostatic discharge
USUAL SHIPPING CONTAINERS:	Bags
STORAGE / TRANSPORT TEMPERATURE:	Ambient (for bags)
STORAGE / TRANSPORT PRESSURE:	Ambient
LOAD / UNLOAD TEMPERATURE:	90 - 110 Deg. F (32 - 43 Deg. C) (for rail and truck)
STORAGE AND HANDLING MATERIALS:	
TANKS:	Carbon steel with effective moisture control and carbon steel coated with baked phenolic.
NOTE:	Any moisture may cause rusting of carbon steel. Product contamination may result.
SPECIAL PRECAUTIONS:	Inert gas blanket and breathing system needed to maintain color stability. Use dry inert gas having at least -40 Deg. F dew point.



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### SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

**EYES:** When contact with liquid is possible, use a face shield. Otherwise use safety glasses with side shields or goggles.

**SKIN:** Full protective clothing, chemical boots, and chemical gloves when contact with liquid is possible.

**RESPIRATORY PROTECTION:** Respiratory protection is normally not required except in emergencies or when conditions cause excessive airborne levels of mists or vapors. Select the appropriate NIOSH-0approved organic vapor air-purifying respirator, self-contained breathing apparatus, or air-supplied respirators in situations where there may be potential for overexposure.

#### Exposure Guidelines

##### Component

##### OSHA PEL

##### ACGIH TLV

None established.

PEL= Permissible Exposure Limits

TLV= Threshold Limit Value

EL= Excursion Limit

TWA= Time Weighted Average (8 hr.)

STEL= Short Term Exposure Limit (15 min.)

#### Carcinogenicity

### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless liquid
Odor:	Sweet, pungent odor
Vapor Pressure (mm Hg.):	0.014 mm Hg @ 38 Deg C
Vapor Density (Air = 1):	6.4
Solubility in Water:	Nil
Viscosity:	12.3 cSt @ 38 Deg C
Physical State:	Liquid
Boiling Point:	490 - 498 Deg. F (254 – 259 Deg. C)
Melting Point:	74 Deg. F (23 Deg. C)
Density:	0.830 g/cm <sup>3</sup> @ 15 Deg C

### SECTION 10 – STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** High temperatures.

**INCOMPATIBILITY WITH OTHER MATERIALS:** Can react with strong oxidizers, inorganic acids, and halogens.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None expected.

**HAZARDOUS POLYMERIZATION:** Should not occur.

### SECTION 11 – TOXICOLOGICAL INFORMATION

**EYES:** Primary irritation index (rabbit): 27 (Maximum score is 110) Corneal capacity was observed. Irritation not completely gone by day 3, the last day of observation.

**SKIN:** Primary irritation index (rabbit): 4.6 (Maximum score is 8.0)

Acute dermal LD50 (rabbit): 8,000 – 12,000 mg/kg

**INHALATION:** No data available.

**INGESTION:** Acute oral (rat): >26,500 mg/kg All rats survived at indicated dose.

**LAURYL ALCOHOL – MSDS (PAGE 3 OF 5 )**



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### SECTION 12 – ECOLOGICAL INFORMATION

**Aquatic Toxicity** Very toxic to aquatic organisms.  
LC50 (P. Promelas (fathered minnow)) 96 hours 1.01 mg/l  
Test Substance: 1-Dodecanol

**Biodegradation** Rapidly, readily and extensively biodegradable

### SECTION 13 – DISPOSAL CONSIDERATIONS

**SPECIAL INSTRUCTIONS:** Contain the spill if possible. Material will solidify (freeze) at ambient temperatures and may be picked up mechanically. Dispose of only in accordance with local, state, and federal regulations.

**WASTE CLASSIFICATION:** Any unused product or empty containers may be disposed of as non-hazardous in accordance with state and federal requirements. Re-evaluation of the product may be required by the user at the time of disposal, since the product uses, transformations, mixtures, contamination, and spillage may change the classification to hazardous. If the resulting material is determined to be hazardous, please dispose in accordance with state and federal (40 CFR 264) hazardous waste regulations.

**EMPTY CONTAINERS:** Empty containers retain product residue (liquid and/or vapor) and can be dangerous. **DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.** Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

(See Section 6 for CERCLA Reporting Requirements)

### SECTION 14 – TRANSPORT INFORMATION

**DOT DESCRIPTION:** This product is not a hazardous material according to DOT regulations for ground transportation.

**ICAO / IATA DESCRIPTION:** This product is not a dangerous good as defined by IATA for air transportation.

**IMO DESCRIPTION (IMDG CODE):** This product is not a dangerous good as defined by IMO in the IMDG Code for water transportation.

### SECTION 15 – REGULATORY INFORMATION

#### U.S. Federal Regulations

**OSHA HAZARD COMMUNICATION STANDARD CLASSIFICATION:** Nonhazardous as defined by the OSHA Hazard Communication Standard.

#### **TSCA INVENTORY LISTING:**

<u>Component</u>	<u>CAS Number</u>
1-Dodecanol	112-53-8
1-Tetradecanol	112-72-1
1-Decanol	112-30-1

#### **SARA 302 STATUS:**

<u>Component</u>	<u>CAS Number</u>	<u>Maximum Wt. %</u>
Contains no chemicals subject to SARA 302 reporting.		

**SARA 311/312 CLASSIFICATION:** Immediate (acute) health hazard

#### **SARA 313 CHEMICAL**

<u>Component</u>	<u>CAS Number</u>	<u>Maximum Wt. %</u>
Contains no chemicals subject to SARA 313 reporting.		

#### **CERCLA Hazardous Substance**

Contains no chemicals subject to CERCLA



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SECTION 15 – REGULATORY INFORMATION continued

International Regulations

**WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS) CLASSIFICATION:** Class D, Division 2, Subdivision B:  
Toxic Material

**CANADIAN DOMESTIC SUBSTANCE LIST (DSL) INVENTORY LISTING:**

Listed on the DSL

**EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES (EINECS) LISTING:**

Listed on the EINECS

**JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) INVENTORY LISTING:**

Listed on the MITI

**AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) LISTING:**

Listed on the AICS

**PHILLIPINES INVENTORY LIST (PICCS)**

Listed on PICCS

**KOREAN**

Listed on the ECL

**CHINA INVENTORY LIST**

Listed on the China Inventory

**STATE REGULATIONS**

**California Safe Drinking Water Act (Prop 65) Listing**

Components

Contains no chemical subject to California Prop 65

SECTION 16 – OTHER INFORMATION

<u>Hazard Ratings</u>	<u>NFPA</u>	<u>HMIS</u>
HEALTH:	2	1
FLAMMABILITY:	2	1
REACTIVITY:	0	0

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