

# SAFETY DATA SHEET

## Lavendoria

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Identification**

Product Name: Lavendoria  
Product Number: C100-G  
CAS Number: Blend

**Company Identification**

Chem-Dry New Zealand LTD  
108 Kelfield Place  
Hastings, New Zealand  
0800 24 36 37 Chem-Dry New Zealand LTD (For product information)

HRI

### 2. HAZARDS IDENTIFICATION

**GHS Classification:**

Skin Corrosion/Irritation - Category 2  
Serious Eye Damage/Eye Irritation - Category 2/2A  
Respiratory or Skin Sensitization - Category 1  
Acute Aquatic Toxicity - Category 1  
Chronic Aquatic Toxicity - Category 1  
Specific Target Organ - Single Exposure - Category 3  
Aspiration Toxicity - Category 1

**GHS Hazard Symbols:**

Flammable, Irritant, Health Hazard, Environmentally Damaging



**SIGNAL WORD:**

Danger.

**GHS Hazard Statements:**

H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
H317 - May cause an allergic skin reaction.  
H335 - May cause respiratory irritation.  
H304 - May be fatal if swallowed and enters airways.  
H400 - Very toxic to aquatic life.  
H402 - Harmful to aquatic life

**GHS Precautionary Statements:**



P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264 - Wash hands and contacted areas thoroughly after handling.  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P332/313 - If skin irritation occurs: Get medical advice/attention.  
P337 - If eye irritation persists:  
P362 - Take off contaminated clothing and wash before reuse.  
P410/403 - Protect from sunlight. Store in a well-ventilated place.  
P210 - Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
P302/350 - IF ON SKIN: Gently wash with plenty of soap and water.  
P304/341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P410/403 - Protect from sunlight. Store in a well-ventilated place.  
P501 - Dispose of contents/container in accordance with local/regional/national regulations.

**CARCINOGENICITY INFORMATION:**

NTP: None IARC: 3 (d-limonene) OSHA: No.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**COMPONENT LISTING:**

Chemical Name	Amount	CAS Number
D-LIMONENE	40.0 - 70.0 %	8028-48-6
ETHANOL	30.0 - 60.0 %	64-17-5

### 4. FIRST AID MEASURES

**EYE CONTACT FIRST AID:**

Flush eye with water for 15 minutes. Get medical attention.

**SKIN CONTACT FIRST AID:**

Wash skin with soap and water.

**INHALATION FIRST AID:**

Remove to fresh air. Get medical attention if cough or other symptoms develop.

**INGESTION FIRST AID:**

If swallowed, do NOT induce vomiting. Rinse mouth with water. Call a physician or poison control center immediately. Get medical attention immediately.

### 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:**

Carbon dioxide, foam, or dry powder.

**FIRE & EXPLOSION HAZARDS:**

Extremely Flammable. Can release vapors that form explosive mixtures at temperatures at or above the flashpoint. Vapors can travel to a source of ignition and flash back.

**COMBUSTION PRODUCTS:**

Carbon monoxide and carbon dioxide.



## 6. ACCIDENTAL RELEASE MEASURES

### SAFEGUARDS (PERSONNEL):

Protect skin and eyes from exposure. Eliminate all sources of ignition - heat, sparks, flame, and electricity.

### LARGE SPILLS PROCEDURE:

Absorb spill with inert material (e g, dry sand or earth), then place in a chemical waste container.

### SMALL SPILLS PROCEDURE:

Clean up area by absorbent material.

## 7. HANDLING AND STORAGE

### RECOMMENDED STORAGE TEMPERATURE

Minimum: 4.4 C (39.9 F)

Maximum: 43.3 C (109.9 F)

### HANDLING (PERSONNEL):

Use with adequate ventilation. Avoid prolonged or repeated contact with skin.

### STORAGE PRECAUTIONS:

Keep away from heat, sparks, and flame.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EYE / FACE PROTECTION REQUIREMENTS:

Where contact with this material is likely, eye protection is recommended.

### SKIN PROTECTION REQUIREMENTS:

Where contact is likely, wear chemical resistant gloves.

### RESPIRATORY PROTECTION REQUIREMENTS:

Under normal use conditions, with adequate ventilation, no special handling equipment is required.

### EXPOSURE GUIDELINES:

#### d-Limonene

ACGIH TWA: 30 ppm

#### ETHANOL

OSHA PEL: 1000 ppm, 1900 mg/m<sup>3</sup>

OSHA TWA: 1000 ppm, 1900 mg/m<sup>3</sup>

## 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Liquid
COLOR:	Colorless
ODOR:	Orange aroma
SOLUBILITY IN WATER:	Insoluble
SPECIFIC GRAVITY:	0.83 (Water = 1)
% VOLATILES:	100 %

### FLAMMABLE PROPERTIES

PMCC Flash Point: 23.3 C (73.9 F)

Autoignition Temperature: N/A



**FLAMMABLE LIMITS IN AIR**

LEL: N/A  
UEL: N/A

## 10. STABILITY AND REACTIVITY

**STABILITY:**

Stable.

**INCOMPATIBILITY WITH OTHER MATERIALS:**

Avoid contact with strong oxidizing agents.

**DECOMPOSITION:**

In the case of fire, carbon dioxide and carbon monoxide may be produced.

**CONDITIONS TO AVOID:**

Heat, sparks, and flames.

## 11. TOXICOLOGICAL INFORMATION

**d-Limonene**

Test Code: Dermal LD50  
Species: Rabbit  
Results: >5000 mg/Kg

**ETHANOL**

Test Code: Inhalation LC50  
Species: Mouse  
Results: 39 gm/m<sup>3</sup>/4H

Test Code: Inhalation LC50  
Species: Rat  
Results: 20000 ppm/10H

Test Code: Oral LD50  
Species: Rabbit  
Results: 6300 mg/Kg

## 12. ECOLOGICAL INFORMATION

**d-Limonene**

Test Code: LC 50  
Species: Fathead Fish  
Results: 0.72 mg/L -96 hrs

Test Code: LC50  
Description: Toxicity to Daphnia  
Species: Daphnia Magna  
Results: 0.36 mg/l - 48h

ETHANOL



Lavendoria  
RTN Number:

Test Code: OECD 301-B  
Species: Fingerling Trout  
Results: 11,200 mg/l 24 Hr

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Test Code: EC0  
Species: Daphnia  
Results: >7800 mg/L

Test Code: EC0  
Species: Ps. putida  
Results: >65 mg/L

### 13. DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:**

Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements. Incineration is recommended.

### 14. TRANSPORT INFORMATION

PRODUCT LABEL:	Lavendoria
D.O.T. SHIPPING NAME:	Consumer commodity
D.O.T. HAZARD CLASS:	ORM-D
ID NUMBER:	ID8000
D.O.T. LABEL:	Consumer Commodity/ ORM-D

**MISCELLANEOUS:**

DOT Shipping Exception: 49 CFR 173.150(c).

IATA Shipping Classification: UN1993, Flammable liquids, n.o.s. (ethanol), 3, III. Limited quantity exception for inner packaging not exceeding 1.0 L of product.

IMO/IMDG Shipping Classification: UN1993, FLAMMABLE LIQUIDS, N.O.S. (ETHANOL), 3, III. Limited quantity exception for inner packaging not exceeding 1.0 L of product.

EmS Number: 3-07. Limited Quantity Exception: See IMDG code 3.4.

### 15. REGULATORY INFORMATION

**REGULATORY LISTS SEARCHED:**

01 = SARA TITLE III SECTION 302	02 = SARA Title III Section 313
03 = RCRA HAZARDOUS WASTE CODES	04 = CERCLA Hazardous Substances
05 = CLEAN AIR ACT	06 = California Prop. 65

**EEC Symbols and Indications of Danger:**

None

**R-Phrases:**

R11 - Highly flammable.  
R20/22 - Harmful by inhalation and if swallowed.  
R36/37/38 - Irritating to eyes, respiratory system, and skin.

**S-Phrases:**

S16 - Keep away from sources of ignition. No smoking.  
S29 - Do not empty into drains.  
S33 - Take precautionary measures against static discharges.  
S1/2 - Keep locked up and out of the reach of children.



**WHMIS Hazard Symbols:**

None

**Canadian Disclosure List**

ETHANOL (64-17-5)

**CERCLA Hazardous Substances**

Lavendoria (BLEND) -- n/a

**MISCELLANEOUS INFORMATION:**

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA).

## 16. OTHER INFORMATION

PREPARED BY:	Sterling Nesbit
APPROVED BY:	Sterling Nesbit
TITLE:	Chemist
APPROVAL DATE:	April 1, 2019
SUPERCEDES DATE:	March 18, 2019
RTN NUMBER:	00000008 (Official Copy)

**NFPA Rating:**

Health - 1  
Flammability - 3  
Reactivity - 0  
Special Hazard - None

