

## SAFETY DATA SHEET

In accordance with 29 CFR 1910.1200

**Product:** Labdanum (Cistus) Absolute 98401-81

**Version:** 3

### 1. IDENTIFICATION

#### Product Identifier

**Product identifier:** Labdanum (Cistus) Absolute; CAS: 8016-26-0

**Other identifiers:** Cistus ladanifer

#### Recommended use of the chemical and restrictions on use

**Product uses:** Essential Oil

#### Supplier Details

**Company name:** Shay and Company

**Company address:** 10639 SE Fuller Rd  
Milwaukie OR 97222

**Contact:** Customer Service

**E-Mail address:** orders@shayandcompany.com

**Company phone:** 503-653-1155

#### Emergency telephone number

**Emergency phone:** ChemTel: 1-800-255-3924 (Domestic)

### 2. HAZARD IDENTIFICATION

#### Classification

**This product is classified under 29CFR 1910.1200(d) as follows:**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

**Class and category of danger:** Acute Toxicity - Oral Category 4  
Skin Corrosion / Irritation Category 2  
Eye Damage / Irritation Category 1  
Sensitization - Skin Category 1  
Carcinogenicity Category 2

**Signal word:** Danger

**Hazard statements:** Harmful if swallowed.  
Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye damage.  
Suspected of causing cancer (exposure route).

**M factor:** None

# SAFETY DATA SHEET

In accordance with 29 CFR 1910.1200

**Product:** Labdanum (Cistus) Absolute 98401-81

**Version:** 3

**Pictograms:**



**Precautionary statements:**

Do not handle until all safety precautions have been read and understood.

Avoid breathing vapour or dust.

Wash hands and other contacted skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves/eye protection/face protection.

IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.

IF ON SKIN: Wash with plenty of soap and water.

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

IF exposed or concerned: Get medical advice/attention.

Immediately call a POISON CENTER or doctor/physician.

Rinse mouth.

If skin irritation or rash occurs: Get medical advice/attention.

Take off contaminated clothing and wash before reuse.

Store locked up.

Dispose of contents/container to approved disposal site, in accordance with local regulations.

**Hazards not otherwise classified (HNOC)** None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Substances

**Product identifier:** Labdanum (Cistus) Absolute; CAS: 8016-26-0

---

---

**SAFETY DATA SHEET****In accordance with 29 CFR 1910.1200****Product:** Labdanum (Cistus) Absolute 98401-81**Version:** 3**Contains:**

Name	CAS	%	GHS Classification
Pinenes		50-100%	Acute Tox. 4-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1;H302-H304-H315-H317
Geraniol	106-24-1	5-<10%	Skin Irrit. 2-Eye Dam. 1-Skin Sens. 1;H315-H317-H318
alpha-Terpineol	98-55-5	5-<10%	Flam. Liq. 4-Skin Irrit. 2-Eye Irrit. 2A;H227-H315-H319
Terpinolene	586-62-9	5-<10%	Flam. Liq. 4-Skin Sens. 1B-Asp. Tox 1;H227-H304-H317
p-Mentha-1,3-diene	99-86-5	5-<10%	Flam. Liq. 3-Acute Tox. 4-Asp. Tox 1;H226-H302-H304
Limonene	138-86-3	5-<10%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1;H226-H304-H315-H317
Carvone	99-49-0	1-<5%	Flam. Liq. 4-Skin Sens. 1B;H227-H317
beta-Caryophyllene	87-44-5	1-<5%	Skin Sens. 1B-Asp. Tox 1;H304-H317
Isophorone	78-59-1	1-<5%	Acute Tox. 4-Acute Tox. 4-Eye Irrit. 2A-Carc. 2-STOT SE 3;H302-H312-H319-H335-H351
Eugenol	97-53-0	1-<5%	Eye Irrit. 2A-Skin Sens. 1B;H317-H319
6-Methyl-3,5-heptadien-2-one	1604-28-0	1-<5%	Flam. Liq. 4-Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1B;H227-H315-H317-H319
Linalool	78-70-6	1-<5%	Flam. Liq. 4-Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1B;H227-H315-H317-H319
Citral	5392-40-5	0.1-<1%	Skin Irrit. 2-Eye Irrit. 2A-Skin Sens. 1;H315-H317-H319

The exact percentage concentrations of components are being withheld as a trade secret.

**4. FIRST-AID MEASURES****Description of first aid measures**

**Inhalation:** Remove from exposure site to fresh air, keep at rest, and obtain medical attention.

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

**Skin exposure:** IF ON SKIN: Wash with plenty of soap and water.

**Ingestion:** IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.

**Most important symptoms and effects, both acute and delayed**

Harmful if swallowed.

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye damage.

Suspected of causing cancer (exposure route).

**Indication of immediate medical attention and special treatment needed, if necessary**

Treat symptomatically

# SAFETY DATA SHEET

In accordance with 29 CFR 1910.1200

**Product:** Labdanum (Cistus) Absolute 98401-81

**Version:** 3

## 5. FIRE-FIGHTING MEASURES

### Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

### Specific hazards arising from the chemical

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

### Protective Equipment and Precautions for Firefighters

In case of insufficient ventilation, wear suitable respiratory equipment.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

### Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling:

Do not eat, drink or smoke when using this product.

### Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

### **Exposure guidelines**

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### **Other exposure guidelines**

No information available

### Exposure controls

### **Engineering measures**

Showers, eyewash stations, ventilation systems.

---

---

# SAFETY DATA SHEET

In accordance with 29 CFR 1910.1200

**Product:** Labdanum (Cistus) Absolute 98401-81

**Version:** 3

## Individual protection measures, such as personal protective equipment

### **Eye/Face and Skin Protection**

Wear protective gloves/eye protection/face protection, and suitable protective clothing

### **Respiratory protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. A NIOSH-approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where air-purifying respirators may not provide adequate protection.

### **Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and chemical properties

<b>Appearance:</b>	Not determined
<b>Odor:</b>	Not determined
<b>Odor threshold:</b>	Not determined
<b>pH:</b>	Not determined
<b>Melting point / freezing point:</b>	Not determined
<b>Initial boiling point / range:</b>	Not determined
<b>Flash point:</b>	$\geq 230\text{ }^{\circ}\text{F}$ / $\geq 110\text{ }^{\circ}\text{C}$
<b>Evaporation rate:</b>	Not determined
<b>Flammability (solid, gas):</b>	Not determined
<b>Upper/lower flammability or explosive limits:</b>	Product does not present an explosion hazard
<b>Vapor pressure:</b>	Not determined
<b>Vapor density:</b>	Not determined
<b>Relative density:</b>	Not determined
<b>Solubility(ies):</b>	Not determined
<b>Partition coefficient: n-octanol/water:</b>	Not determined
<b>Auto-ignition temperature:</b>	Not determined
<b>Decomposition temperature:</b>	Not determined
<b>Viscosity:</b>	Not determined
<b><u>Other information:</u></b>	None available

# SAFETY DATA SHEET

In accordance with 29 CFR 1910.1200

**Product:** Labdanum (Cistus) Absolute 98401-81

**Version:** 3

## 10. STABILITY AND REACTIVITY

### Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

### Chemical stability:

Good stability under normal storage conditions.

### Possibility of hazardous reactions:

Not expected under normal conditions of use.

### Conditions to avoid:

Avoid extreme heat.

### Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

### Hazardous decomposition products:

Not expected.

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

<b>Acute Toxicity:</b>	Acute Toxicity - Oral Category 4
Acute Toxicity Oral	836
Acute Toxicity Dermal	>5000
Acute Toxicity Inhalation	Not Available
<b>Skin corrosion/irritation:</b>	Skin Corrosion / Irritation Category 2
<b>Serious eye damage/irritation:</b>	Eye Damage / Irritation Category 1
<b>Respiratory or skin sensitisation:</b>	Sensitization - Skin Category 1
<b>Germ cell mutagenicity:</b>	Based on available data the classification criteria are not met.
<b>Carcinogenicity:</b>	Carcinogenicity Category 2
<b>Reproductive toxicity:</b>	Based on available data the classification criteria are not met.
<b>STOT-single exposure:</b>	Based on available data the classification criteria are not met.
<b>STOT-repeated exposure:</b>	Based on available data the classification criteria are not met.
<b>Aspiration hazard:</b>	Based on available data the classification criteria are not met.
<b><u>Additional Information</u></b>	None available

## SAFETY DATA SHEET

In accordance with 29 CFR 1910.1200

**Product:** Labdanum (Cistus) Absolute 98401-81  
**Version:** 3

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity:**

Very toxic to aquatic life with long lasting effects.

**Persistence and degradability:** Not available

**Bioaccumulative potential:** Not available

**Mobility in soil:** Not available

**Other adverse effects:** Not available

### 13. DISPOSAL CONSIDERATIONS

**Waste treatment**

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. TRANSPORT INFORMATION

	14.1 UN number:	14.2 UN Proper Shipping Name:	14.3 Transport hazard class(es):	Sub Risk:	14.4. Packing Group:
UN Model Regulations	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Pinenes, Limonene)	9	-	III
US DOT	Not classified	-	-	-	-
US DOT (Bulk)	Not classified	-	-	-	-
IMDG	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Pinenes, Limonene) MARINE POLLUTANT	9	-	III
ADR,RID,ADN	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Pinenes, Limonene)	9	-	III
ICAO TI	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Pinenes, Limonene)	9	-	III

US DOT refers to domestic transport by road/rail within the 48 ground states

US DOT (Bulk) refers to domestic bulk transport by road/rail within the 48 ground states.

**Environmental hazards:** This is an environmentally hazardous substance.

**Special precautions for user:** None additional

# SAFETY DATA SHEET

In accordance with 29 CFR 1910.1200

**Product:** Labdanum (Cistus) Absolute 98401-81

**Version:** 3

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:**

Not applicable

## 15. REGULATORY INFORMATION

### Safety, health and environmental regulations/legislation specific for the substance or mixture

RIFM ID Number: 220-E2.7

LM Unique Identifier: LM8163

### Additional information

None additional

## 16. OTHER INFORMATION

Issue date: 12/01/2025

Version: 3 Version Date: 12/01/2025

### **Key to revisions:**

14 Packing group

14 Transport hazard class(es)

14 Transport hazard class(es)

14 UN number

14 UN proper shipping name

2 Classification

3 Composition/information on ingredients

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.

---

---