



## FICHA

### TÉCNICA:

Aceite esencial de LIMON

INCI: Citrus Limon Peel Oil

CAS Number: 8008-56-8 / 84929-31-7

EINECS/ELINCS No: 284-515-8

Origen : España

Nombre botánico : Citrus limon

ASPECTO: Líquido transparente, de amarillo.

OLOR: Característico, cítrico, fresco, intenso.

DENSIDAD RELATIVA 20° C : 0.849 - 0.858

ÍNDICE DE REFRACCIÓN 20° C : 1.473 - 1.477

ROTACIÓN ÓPTICA : (+57° / +66°)

PUNTO DE INFLAMACIÓN : 42° C

# Safety Data Sheet/Ficha de Seguridad

## 1. PRODUCT NAME AND COMPANY IDENTIFICATION

**Product Name:** ACEITE ESENCIAL DE LIMÓN  
**Product Use:** Personal Care Formulations  
**Company Name:** La Despensa del Jabón  
**Company Address:** San Ignacio Auzunea Etxetaldea, 1,  
48200 Durango, Bizkaia – España  
Tel: 944 657 841/ Fax: 941 899 765  
**Date Issued:** 02/26/2015  
**Emergency Telephone Number:** Instituto Nacional de Toxicología. Madrid. Tel: 91 562 04 20

## 2. COMPOSITION/INGREDIENT INFORMATION

**Composition:**  
**Essential oil of Lemon Peel** 100% by weight  
**Hazardous Components:** Essential Oil and derivatives  
**Exposure Limits:** Not Available  
**CAS #:** 8008-56-8  
**FEMA #:** 2625

## 3. HAZARDS IDENTIFICATION

**Routes of Entry:**

- Eyes
- Skin
- Ingestion
- Inhalation

**Eye Contact:** Moderate irritation may occur.  
**Skin Contact:** Irritation may occur with prolonged or repeated exposure.  
**Ingestion:** Hazardous in case of ingestion. Has been shown to cause kidney effects in lab animals through repeated ingestion. Similar effects have not been reported in humans.  
**Inhalation:** Vapor may be irritating to throat, lungs and pulmonary tract.

## 4. FIRST AID MEASURES

**Eyes:** Remove lenses if applicable. Flush with plenty of water or eye wash solution for 15 minutes holding lids apart. Get medical attention if irritation persists.  
**Skin:** Remove contaminated clothing. Thoroughly wash the affected area with soap and water. Flush with large quantities of water. Cover with emollient or pure vegetable oil. Seek medical attention if irritation persists.

**Ingestion:**

Seek medical attention or contact local poison control center immediately. Administer water or milk to dilute if advised by medical expert. Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Remove to fresh air. Seek medical attention if necessary.

**Inhalation:**

Serious Inhalation:  
Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

**Medical Conditions Generally Aggravated by Exposure:**

No information

**5. FIRE FIGHTING MEASURES**
**Flammability:**

May be combustible at high temperature.

**Flash Point (Method Used):**

48° C Closed Cup

**Flammable Limits**

LEL: Not Established  
UEL: Not Established

**Auto Ignition Temperature:**

No information

**Hazardous Combustion Products:**

CO<sub>2</sub>, CO, irritating smoke and unidentified organic compounds may be formed during combustion.

- Dry Chemical
- Carbon Dioxide

**Extinguishing Media:**

- Foam

**Special Firefighting Procedures:**

- Note: Do not use water spray except to cool containers
- Wear positive pressure, self contained breathing apparatus.
  - Wear protective clothing to prevent contact with skin and eyes.
  - Closed containers may build up pressure at elevated temperatures. Cool containers with water spray.
  - Remove containers from fire area.
  - Spray extinguishing media directly into the base of the flames.
  - Water is unsuitable for use on burning materials but may be used to cool containers exposed to heat.

**Unusual Fire & Explosion Hazards:**

None known

**6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)**

Avoid inhalation and contact with skin and eyes.

**Personal Protection:**

- Chemical splash goggles should be worn.
- If in a confined area, a certified/approved vapor respirator should be used.
- Remove individuals if they do not have respiratory/dust protection.
- Wear protective clothing and chemical resistant gloves.

Note: Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product

**Environmental Protection:**

Notify authorities if large amounts of product enters sewer.

**Methods for Cleaning Up:**

- Remove any source of flame or sparks.
- Ventilate area
- Prevent liquid from entering the sewers.
- Recover spilled material with pump or absorb onto an inert, absorbent substrate and sweep up.
- Wash area with soap and water.

**7. HANDLING AND STORAGE**
**Handling**
**Safe Handling:**

- Wear safety glasses and chemical resistant gloves.
- Keep away from oxidizing agents, excessive heat, light and sources of ignition.

**Storage**

**Requirements for Storage Areas and Containers:** Store in a cool, dry location, in a sealed container in a well ventilated area away from sources of ignition.

|  |
|--|
| <b>8. EXPOSURE CONTROL/PERSONAL PROTECTION</b> |
|--|

**Engineering Controls:**

- Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.
- Ensure that eyewash stations and safety showers are proximal to the work-station location.

**Personal Protection**
**Eye:**

Chemical splash goggles or face shield should be worn.

**Skin/Body:**

Lab coats, boots and chemical resistant gloves should be worn.

**Respiratory:**

Use adequate ventilation or NIOSH-approved respiratory devices if vapor concentration is high due to heat.

**Ventilation:**

Handle in well ventilated areas. Ventilation meeting ACGIH Standards should be employed.

**Other:**

Evaluate need based on application. Slip proof shoes may be worn where spills may occur.

**Work/Hygiene Practice:**

Use good personal hygiene practices. Limit exposure to product whenever possible. Wash contaminated clothing or shoes before each use.

**9. PHYSICAL AND CHEMICAL PROPERTIES**
**Physical State:**

Liquid

**Color:**

Clear, yellow to deep yellow or green yellow

**Odor:**

Characteristic of lemon, citrus

**Specific Gravity (@25C):**

0.8493 g/cm<sup>3</sup> (typical)

**Refractive Index (@20C):**

1.4746 (typical)

**Flash Point:**

48°C Closed Cup

**Boiling Point:**

175°C

**Melting Point:**

N/A

**Solubility in Water:**

Insoluble

## 10. STABILITY AND REACTIVITY

|   |  |
|---|--|
| <b>Stability:</b>                             | Stable under normal conditions of use<br>Keep away from sources of ignition, flame and heat. Avoid hot work and sources of ignition on or near empty containers. |
| <b>Conditions to Avoid:</b>                   |  |
| <b>Incompatibility (Materials to Avoid):</b>  | Strong oxidizing agents.   |
| <b>Hazardous Decomposition or Byproducts:</b> | CO <sub>2</sub> , CO, irritating smoke and unidentified organic compounds may be formed during combustion.   |
| <b>Hazardous Polymerization:</b>              | Will Not Occur   |

## 11. TOXICOLOGICAL INFORMATION

Liquid may be irritating to skin and eyes. It contains D'Limonene (CAS: 5989-27-5), a known sensitizer.

|   |   |
|---|---|
| <b>D'Limonene(1,8-(9)-p-Menthadiene):</b> | LD50 (Oral): 4,400 to 5,100 mg/kg [Rat]<br>LD50 (Dermal): > 5,000 mg/kg [Rabbit]<br>LD50: 5,600 to 6,600 mg/kg [Mice]   |
| <b>Medical Information:</b>               | 0.5 to 5.0 g/kg may cause human death.<br>Irritation of eyes, skin and mucous membranes.<br>Eyes: May cause burning, redness pain.<br>Skin: May cause temporary redness (burning), mild local irritation and sensitization. Prolonged contact with skin may cause dermatitis. |
| <b>Symptoms of Overexposure:</b>          | If Ingested, may cause GI irritation, abdominal pain, nausea, vomiting, diarrhea, and dizziness.<br>By Inhalation, irritant to respiratory tract, may cause sore throat, coughing, shortness of breath, dizziness, and nausea.  |
| <b>Carcinogenicity:</b>                   | NTP Monograph: None established<br>IARC Monograph: None established   |
| <b>Other Effects:</b>                     | None established  |

## 12. ECOLOGICAL INFORMATION

|                                   |  |
|-----------------------------------|--|
| <b>Biodegradability:</b>          | Not determined   |
| <b>Aquatic Toxicity:</b>          | Very toxic to aquatic organisms, May cause long term adverse effects in aquatic environment. |
| <b>Bioaccumulation Potential:</b> | Not determined   |

## 13. DISPOSAL CONSIDERATIONS

|                                |  |
|--------------------------------|--|
| <b>Waste Disposal Methods:</b> | Do not put into sewer lines. Dispose of according to local, state and federal regulations. |
|--------------------------------|--|

## 14. TRANSPORT INFORMATION

|                              |      |
|------------------------------|------|
| <b>UN Number:</b>            | 2319 |
| <b>Transportation Class:</b> | 3    |
| <b>Packing Group:</b>        | III  |
| <b>Marine Pollutant:</b>     | YES  |

## 15. REGULATORY INFORMATION

|                                       |                                |
|---------------------------------------|--------------------------------|
| <b>Federal and State Regulations:</b> | TSCA 8(b) inventory: Lemon oil |
| <b>WHMIS (Canada):</b>                | D2B/B3 Combustible Liquid.     |

**EU Classification:**

**Xn, N: Harmful, Dangerous for the Aquatic Environment**

**GHS Classification:**

**Flammable Liquids: Category 3**

**Aspiration Hazard: Category 1**

**Skin Irritation: Category 2**

**Skin Sensitization: Category 1**

**Hazardous to Aquatic Environment: Acute Hazard, Category 1**

**Hazardous to Aquatic Environment: Chronic Hazard, Category 1**

**Signal Word: DANGER**

#### **16. ADDITIONAL INFORMATION**

This information is provided for documentation purposes only.

The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers.



Aceite esencial de Limón  
INCI: Citrus Limon Peel Oil  
CAS Number: 8008-56-8 / 84929-31-7  
EINECS/ELINCS No: 284-515-8

La Despensa del Jabón se en base a la información facilitada por el fabricante certifica que el producto Aceite esencial de Limón contiene los siguientes alérgenos de cosmética

### Alérgenos cosmética:

| Nombre<br>Name | CAS       | O/o en el Producto<br>% in the product |
|----------------|-----------|--|
| Umonene        | 138-86-3  | <70%                                   |
| Linalool       | 78-70-6   | <0.5%                                  |
| Citral         | 5392-40-5 | <3.2%                                  |
| Geranio!       | 106-24-1  | <0.05%                                 |

La Despensa del Jabón se certifica que su producto "Aceite Esencial de Limón" está exento de las siguientes sustancias alergénicas para productos alimenticios

- Cereales que contengan gluten (es decir, trigo, centeno, cebada, avena, espelta, kamut o sus variedades híbridas) y productos derivados
- Crustáceos y sus productos
- Huevos y productos derivados
- El pescado y sus productos
- Cacahuets y productos derivados
- La soja y sus productos
- Leche y sus derivados (incluida la lactosa)
- Frutos secos (es decir, almendras (*Amygdalus communis* L), avellanas (*Corylus avellana*), nueces (*Juglans regia*), anacardos (*Anacardium occidentale* e), pacanas (*Carya illinoensis* (Wangenh) K.Koch), nueces de Brasil (*Bertholletia excelsa*), pistachos (*Pistada vera*), nueces de macadamia y nueces de Australia (*Macadamia ternifolia*) y productos derivados
- Apio y productos derivados
- Mostaza y productos derivados
- Semillas y productos a base de sésamo
- Dióxido de azufre y sulfitos en concentraciones superiores a 10 mg/kg o 10 mg/l expresado como SO<sub>2</sub>
- Lupin y sus productos
- Moluscos y productos derivados

\* De acuerdo con la Directiva 2007 /68 / CE de 27 de noviembre de 2007 que modifica el anexo 111 bis de la UE de la Directiva 2000/13 / CE del Parlamento Europeo y del Consejo en lo que se refiere a determinados ingredientes alimentarios.





## Declaración IFRA:

Aceite esencial de LIMON

INCI: Citrus Limon Peel Oil

CAS Number: 8008-56-8 / 84929-31-7

Este aceite esencial contiene los siguientes componentes regulados por IFRA

This essential oil has the following compound regulated by IFRA

| Nombre<br>Name | CAS       | Recomendaciones<br>Standars | % en el Producto<br>% in the product |
|----------------|-----------|-----------------------------|--------------------------------------|
| Limonene       | 138-86-3  | S                           | < 70 %                               |
| Linalool       | 78-70-6   | S                           | < 0.5 %                              |
| Citral         | 5392-40-5 | R                           | < 3.2 %                              |
| Geraniol       | 106-24-1  | R                           | < 0.05 %                             |

### IFRA Restricted Standards

| Material | Category 1 | Category 2 | Category 3 | Category 4 | Category 5 | Category 6 | Category 7 | Category 8 | Category 9 | Category 10 | Category 11    |
|----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|----------------|
| Citral   | 0,04       | 0,05       | 0,2        | 0,6        | 0,3        | 1,0        | 0,1        | 1,4        | 5,0        | 2,5         | Not Restricted |
| Geraniol | 0,3        | 0,4        | 1,8        | 5,3        | 2,8        | 8,6        | 0,9        | 2,0        | 5,0        | 2,5         | Not Restricted |

### Limits in the finished product (%)

| Material               | Critical Effect | Skin contact products |                    | Non skin contact products |
|------------------------|-----------------|-----------------------|--------------------|---------------------------|
|                        |                 | Leave on products     | Rinse off products |                           |
| Lemon oil cold pressed | Phototoxicity   | 2                     | No Restriction     | No Restriction            |

