

## Product Specification

<b>PRODUCT: CANOLA OIL</b>
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FREE ACIDITY:	% ≤0.05	FLAVOR:	BLAND
HUMIDITY & VOLATILES:	% ≤0.05	COLOR:	PALE YELLOW
IMPURITIES:	% ≤0.05	IODINE VALUE:	105-120
PEROXIDE INDEX:	meq O <sub>2</sub> /Kg ≤15	REFRACTIVE INDEX:	1.465-1.467
COLD TEST:	Pass/Not Pass	SOAP TEST:	Pass/Not Pass

### FATTY ACID COMPOSITION

PALMITIC (C <sub>16:0</sub> ):	% 2.5-7.0	LINOLENIC (C <sub>18:3</sub> ):	% 5.0-14.0
PALMITOLEIC (C <sub>16:1</sub> ):	% ND-0.6	ARACHIDIC (C <sub>20:0</sub> ):	% 0.2-1.2
STEARIC (C <sub>18:0</sub> ):	% 0.8-3.0	EICOSENOIC (C <sub>20:1</sub> ):	% 0.1-4.3
OLEIC (C <sub>18:1</sub> ):	% 51.0-70.0	BEHENIC (C <sub>22:0</sub> ):	% ND-0.6
LINOLEIC (C <sub>18:2</sub> ):	% 15.0-30.0	ERUCIC (C <sub>22:1</sub> ):	% ND-2.0

**In Compliance with Codex Standards**  
CANOLA OIL

**Gerald Jones**  
Quality Laboratory Manager

1 OLIVE GROVE ST. ROME, NY 13441  
PHONE: 315-797-7070 · FAX: 315-797-6981 · WWW.SOVENAGROUP.COM



## Product Description

### Product Name:

Canola Oil

### Product Description:

Canola oil is derived from the rapeseed, an oilseed plant widely grown throughout Canada and the United States. Edible Canola oil is a RBD oil that is touted for its healthy fat profile and high content of omega-3-fatty acids. Canola oil is a virtually odorless and tasteless oil with a relatively high smoke/flash point and is excellent for frying.

### Ingredients:

Canola Oil

### Food Safety Characteristics:

Canola Oil remains safe for human consumption up to 24 months from date of production.

### Consumer Intended Uses:

Dressings, marinades, sauces, frying

### Packaging:

Various bulk sizes and containers: steel drums (55, 58 gallon), disposable cardboard totes (275 gallon), returnable plastic totes (275 gallon), tank wagons, railcars.

Various food service/retail packing sizes and containers: glass, tin, PET, HDPE, (8.5 oz - 35#)

### Labeling :

Cholesterol free, Trans fat free

### Shipping/Storage Conditions:

Capped when not used. Store at room temperature, removed from moisture and direct sunlight. Exposure to freezing temperatures will not impact oil quality. Frozen product should be allowed to gradually return to liquid state. Product should not be stored above 90°F; direct heat will damage oil quality.

### Shelf Life:

Up to 24 months in an unopened container stored in the conditions described above.

18 months is recommended

### Country Of Origin:

United States, Canada

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**PRODUCT:** Canola Oil

<b>Nutrition Facts</b>	
<b>Serving Size 1Tbsp (14g, 15mL)</b>	
<b>Amount Per Serving</b>	
<b>Calories</b>	<b>120</b>
	<b>% Daily Value*</b>
<b>Total Fat</b> 14g	<b>18%</b>
Saturated Fat 1g	<b>5%</b>
Trans Fat 0g	
<b>Cholesterol</b> 0mg	<b>0%</b>
<b>Sodium</b> 0mg	<b>0%</b>
<b>Total Carbohydrate</b> 0g	<b>0%</b>
Dietary Fiber 0g	<b>0%</b>
Total Sugars 0g	
Includes 0g added sugars	<b>0%</b>
<b>Protein</b> 0g	<b>0%</b>
<b>Vitamin D</b> 0 mcg	<b>0%</b>
<b>Calcium</b> 0mg	<b>0%</b>
<b>Iron</b> 0mg	<b>0%</b>
<b>Potassium</b> 0mg	<b>0%</b>

\*The % daily value (DV) tells you how much a nutrient in a serving of food contributes to a daily diet. 2000 calories a day is used for general nutrition advice.

**Ingredients:** Canola Oil

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Quality Laboratory Manager**

**PRODUCT:** Canola Oil**Nutrition Facts****Serving Size 100g****Amount Per Serving****Calories 884**

		<b>% Daily Value*</b>
<b>Total Fat</b>	100g	<b>125%</b>
	Saturated Fat 7g	<b>37%</b>
	Trans Fat <0.5g	
<b>Cholesterol</b>	0mg	<b>0%</b>
<b>Sodium</b>	0mg	<b>0%</b>
<b>Total Carbohydrate</b>	0g	<b>0%</b>
	Dietary Fiber 0g	<b>0%</b>
	Total Sugars 0g	
	Includes 0g added sugars	<b>0%</b>
<b>Protein</b>	0g	<b>0%</b>
<b>Vitamin D</b>	0 mcg	<b>0%</b>
<b>Calcium</b>	0mg	<b>0%</b>
<b>Iron</b>	0mg	<b>0%</b>
<b>Potassium</b>	0mg	<b>0%</b>

\*The % daily value (DV) tells you how much a nutrient in a serving of food contributes to a daily diet. 2000 calories a day is used for general nutrition advice.

**Ingredients:** Canola Oil**Gerald Jones  
Quality Laboratory Manager**



## Allergen and GMO Information

**PRODUCT: Canola Oil**

Has this product or any of its components been treated with irradiation? N

Does this product contain any of the following allergens and sensitizing agent N

Peanut & Peanut products (including peanut oil) N

Soybean & soy products (including soy lecithin, excluding soy oil) N

Seeds (poppy, sesame, sunflower & psyllium) N

Sulfites N

Tree nuts N

Monosodium Glutamate N

Fish N

Wheat and related grains N

Crustaceans N

Egg and egg products \_\_\_\_\_

Mollusks N

Cottonseed products N

Legumes N

Dairy N

Genetically Modified Organism (GMO) Y

Use of CRY9C (starling) Pesticide N

Gluten Free Y

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Quality Laboratory Manager

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER**

**Product Name:** Canola Oil  
**CAS#:** 8002-13-9  
**Chemical Name:** Triglyceride of Fatty Acid  
**Recommended Use of the Chemical:** As needed

**Restrictions on Use of the Chemical:** No restrictions

**Contact Information:**  
 Sovena USA  
 1 Olive Grove Street  
 Rome, New York 13441

Ph: (315)797-7070  
 F(315)797-6981

**24 Hr Emergency Contact:**  
 Gerald Jones  
 Quality Laboratory Manager  
 315-225-5358



<b>Health</b>	<b>1</b>
<b>Fire</b>	<b>1</b>
<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	<b>A</b>

**SECTION 2: HAZARDS IDENTIFICATION**

Not hazardous per OSHA regulation

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS SUBSTANCE**

NAME	CAS#	% BY WEIGHT
Canola Oil	8002-13-9	100%

**SECTION 4: FIRST AID MEASURES**

**Eye Contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

**Skin Contact:** Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

**Serious Skin Contact:** Not available

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Serious Inhalation:** Not available

**Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

**Serious Ingestion:** Not available

**SECTION 5: FIREFIGHTING MEASURES**

**Flammability of Product:** May be combustible at high temperatures

**Auto-Ignition Temperature:** Not Available

**Flash Points:** Not available

**Flammable Limits:** Not Available

**Products of Combustion:** Not Available

**Fire Hazards in Presence of Various Substances:** Slightly flammable to flammable in presence of heat

**Explosion Hazards in the Presence of Various Substances:**

*In presence of mechanical impact:* Not available

*In presence of static discharge:* Not available

**Extinguishing Media**

**Suitable:** Dry Chemical Powder  
Water Spray  
Water Fog  
Foam

**Unsuitable:** Do not use Water Jet

**Special Fire Fighting Procedures:** Do not direct a solid stream of water or foam into burning material; this may cause the fire to spread.

**Special Protective Equipment for Firefighters:** Self-contained breathing apparatus.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Wear Suitable Protective Equipment

**Environmental Precautions:** Avoid runoff to sewers or waterways.  
Use methods consistent with local regulations.

**Small Spills:** Absorb with an inert material and put the spilled material in an appropriate waste disposal.

**Large Spills:** Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the SDS and with local authorities. Floor may be slippery; use care to avoid falling.

**SECTION 7: HANDLING AND STORAGE**

**Precautions:** Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate residue under a fume hood. Ground all equipment containing material. Do not breathe gas/fumes/vapor/spray. Keep away from incompatibles such as oxidizing agents, acids.

**Conditions for Safe Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 23°C (73.4°F).

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Limits:** Consult local authorities for acceptable exposure limits

**Occupational Exposure Controls:**

*Respiratory Protection:* None expected to be needed

*Hand Protection/Protective Gloves:* In case of a large spill

*Eye Protection:* Safety Glasses (small spill), Splash Goggles (large spill)

*Skin Protection:* Lab Coat (small spill), Splash Goggles (large spill)

**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.



**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State:** Liquid  
**Color:** Yellow (Light)  
**Odor:** Characteristic (Slight)  
**Odor Threshold:** N/A  
**Taste:** Bland  
**pH:** Not applicable  
**Molecular Weight:** Not Available  
**Boiling Point:** Not Available  
**Melting Point:** 25-50°C  
**Critical Temperature:** Not Available  
**Specific Gravity:** 0.918 (Water=1)  
**Vapor Pressure:** Not Available  
**Vapor Density:** Not Available  
**Volatility:** Not Available  
**Water/Oil Dist.Coeff.:** Not Available  
**Ionicity (in Water):** Not Available  
**Dispersion Properties:** Not Available  
**Decomposition Temperature:** Not Available  
**Upper explosion Limits:** Not Available  
**Lower explosion Limits:** Not Available  
**Solubility:** Insoluble in cold water

**SECTION 10: STABILITY AND REACTIVITY**

**Stability:** This product is stable  
**Instability Temperature:** Not available  
**Conditions of Instability:** Excessive Heat, Incompatible materials.  
**Incompatibility with Various Substances:** Reactive with oxidizing agents  
**Corrosivity:** Non-corrosive in presence of glass.  
**Polymerization:** Will not occur

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Routes of Entry:** Absorbed through the skin. Eye contact.  
**Toxicity to Animals:** LD50: Oral (rat) >100ml/kg  
**Chronic Effects on Humans:** Not available  
**Other Toxic Effects on Humans:** Slightly hazardous in case of skin contact, ingestion, and inhalation  
**Acute Potential Health Effects:** Inhalation: Excessive inhalation of oil mist may affect respiratory system. Oil mist is classified as a nuisance particulate by ACGIH. Ingestion: Generally non-hazardous unless ingested in large quantities. Digestive tract discomfort may be encountered.

**SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:** Not available

**BOD5 and COD:** Not available

**Products of Biodegradation:** Possible short term degradation products are not likely.  
However, long term degradation products may arise

**Toxicity of the Products of Biodegradation:** Not available

**Mobility in Soil:** Not available

**SECTION 13: DISPOSAL CONSIDERATIONS**

Dispose of in accordance with appropriate Federal, State, and Local regulations.

**SECTION 14: TRANSPORT INFORMATION**

**DOT Classification:** Not a DOT controlled material (United States)

**Identification:** Not applicable

**Special Provisions for Transport:** Not applicable

**SECTION 15: REGULATORY INFORMATION**

**WHMIS (Canada):** Not controlled under WHMIS (Canada)

**DSCL (EEC):** This product is not classified according to the EU regulations

**HMIS (USA):**

*Health Hazard: 1*

*Fire Hazard: 1*

*Reactivity: 0*

*Personal Protection: A*

**National Fire Protection Association (USA):**

*Health: 0*

*Flammability: 1*

*Reactivity: 0*

**Protective Equipment:** Lab Coat/Safety Glasses

**EINECS:** This product is on the European Inventory of Existing Commercial Chemical Substances

**SECTION 16: OTHER INFORMATION**

**Revision Number:** 3

**Revision Date:** 9/21/2017

**Effective Date:** 9/21/2017

**Approved By:** Gerald Jones  
Quality Laboratory Manager