



# NatueroSources

1012-1 Rue Cambrai  
Sherbrooke (Québec) J1H 2R7  
**Téléphone: 819-300-0679 (Canada)**  
**1877-529-3602 (Sans Frais canada/États unis)**

## MATERIAL SAFETY DATA SHEET: EXTRAIT CO2 DE ROMARIN

### SECTION: 1.1 PRODUCT IDENTIFICATION

**Product Name:** Rosemary Antioxidant – Preservatives  
**Botanical Name:** *Rosmarinus officinalis L*  
**INCI name:** Rosemarinus officinalis leaf extract (CO2)  
**CAS #:** 84604-14-8  
**County of Origin:** China

### SECTION: 1.2 COMPANY IDENTIFICATION

**Company:** NatueroSources.  
**Address:** 1012-1 Rue Cambrai  
Sherbrooke, Qc. J1H 2R7 Canada  
**Telephone No:** 1-819-300-0679  
**Toll free No:** 1-877-529-3602  
**24 HOUR EMERGENCY TELEPHONE NUMBER:** (613)-996-6666 CANUTEC

### SECTION: 2. COMPOSITION / INFORMATION INGREDIENTS

**Actif Constituants:** Carnosic acid ( about 7.5 – 10.5% )

**Preparation Method :** Produced by supercritical carbon dioxide extraction of dried rosemary leaf

### SECTION: 3. HAZARDS IDENTIFICATION

Based on its physicochemical and toxicological characteristics, it is to be considered “ Not Dangerous”.

**Medical Information:** N/A

### SECTION: 4. FIRST AID MEASURES

**Eye Contact:** Contact with eyes can produce burning sensation. Irrigate with water immediately, continue flushing eyes with water for 15 minutes. Seek medical attention if irritation persists.

**Inhalation:** Remove to fresh air. Give oxygen if breathing is labored and seek medical advice. Avoid casual breathing. Signs of overexposure are dizziness and nausea.



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**Ingestion:**

Rinse mouth; dilute with milk or water and consult a physician immediately. Do not induce vomiting. Never-give anything by mouth if victim is unconscious, is rapidly-losing or is Convulsing. Remove contaminated clothing. Wash with soap and plenty of water.

**Skin Contact:**

**SECTION: 5. FIRE FIGHTING MEASURES**

**Flammable Limits:**

> 120°C

**Extinguishing media:**

Carbon Dioxide, dry chemical or foam.

**Special Procedures:**

Determine the need to evacuate or isolate the area according to your local emergency plan.

**Unusual Firefighting Hazards:**

None identified.

**Protective Equipment:**

Self-contained breathing apparatus and protective clothing should be worn when fighting fires.

**Combustion Product:**

Carbon Monoxide, Carbon Dioxide

**SECTION: 6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:**

Use of self-contained breathing apparatus is recommended for any major chemical spill. Refer also to section 8.

**Safety Precautions:**

Eliminate all ignition sources. Ventilate area. Determine the need to Evacuate or isolate the area according to your local emergency plan.

**Environmental Precautions:**

Keep away from drains, surface and ground water. Report spills to appropriate Authorities if required. Contain and collect with inert absorbent material and place in suitable container for disposal.

**Methods For Cleaning Up:**

Comply with all federal, state, and local regulation. Wipe small spills with cloth. Clean with hot water and detergent.

**SECTION: 7. HANDLING AND STORAGE**

**Handling:**

Good personal hygiene practices should be used. Wash after any contact, before breaks and meals, and at the end of the work period. Contaminated clothing and shoes should be cleaned before re-use.

**Storage:** Store in a cool, dry, well ventilated place protected from light.

Keep away from extreme heat and from freezing conditions and away from all sources of ignition. Make sure the material does not come into contact with substances listed as: "Materials to Avoid".

**SECTION: 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**Eyes Protection:**

The use of safety glasses is recommended. If a material is to be handled in a manner where splashing may occur, the use of splash goggles or face shield is recommended



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## Respiratory Protection:

In well-ventilated areas, respiratory protection is not normally required. In confined, poorly ventilated areas the use of "NIOSH" approved respiratory protection normally required (use only if trained in proper use and with acceptable oxygen level).

## Protective Gloves:

Using chemical resistant gloves is recommended.

## Protective Clothing:

Using chemical resistant clothing is recommended.

## Protective Equipment:

An eyewash fountain and / or safety shower should be available in the work area. Acceptable industrial hygiene practices should be maintained.

## SECTION: 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance:

Brownish yellow to brownish green Oily Liquid

### Odor:

Characteristics light fresh odor

### Solubility:

100% Soluble in Vegetable oils, Animal oils and Alcohol.

### Specific Gravity:

N/A

### Refractive Index:

N/A

### Optical Rotation:

n/A

### Extraction Method:

Dried rosemary leaf as raw material, produced by supercritical carbon dioxide extraction.

### Appearance:

Greenish Brown Oily Liquid

### Odor:

Characteristics light to strong fresh odor

### Solubility:

100% Soluble in Vegetable oils, Animal oils and Alcohol.

### Specific Gravity:

N/A

### Refractive Index:

N/A

### Optical Rotation:

n/A

### Extraction Method:

Dried rosemary leaf as raw material, produced by supercritical carbon dioxide extraction.

## SECTION: 10. STABILITY AND REACTIVITY

### Stability:

Chemically stable. This material presents no significant reactivity hazard.

### Conditions to Avoid:

### Materials to Avoid:

Strong oxidizing agents.

### Hazardous Polymerization:

N/A

### Hazardous Combustion or

N/A

### Decomposition Products:

When heated to decomposition produces acid fumes and carbon monoxide smoke

### Stability:

Chemically stable. This material presents no significant reactivity hazard.

### Conditions to Avoid:

Avoid sparks, flame and excessive heat.



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## SECTION: 11. TOXICOLOGICAL INFORMATION

Based on experience, considered to be a non-toxic and harmless product

<b>Inhalation:</b>	N/A.
<b>Skin Contact:</b>	N/A
<b>Eye Contact:</b>	May irritate eyes.
<b>Ingestion:</b>	N/A.
<b>Medical Conditions Aggravated by Exposure:</b>	N/A.
<b>Chronic Toxicity:</b>	N/A
<b>Carcinogenicity Data:</b>	None of the components of this material are listed as a carcinogen.
<b>Reproductive Toxicity:</b>	No adverse effects on reproduction are known.
<b>Acute Toxicity Values:</b>	No data is currently available.

## SECTION: 12. DISPOSAL CONSIDERATION

**Aquatic Toxicity:** None

Incineration or sanitary landfill in accordance with local, provincial and federal regulations. Check with disposal expert to insure compliance.

## SECTION: 13. TRANSPORT INFORMATION

Dispose of in accordance with local, state /provincial and federal regulations.

## SECTION: 14. REGULATORY INFORMATION

<b>WHMIS (Canada):</b>	N/A
<b>HMIS (USA):</b>	N/A
<b>EU Labeling:</b>	N/A
<b>Symbol</b>	N/A

## SECTION: 15. ECOLOGICAL INFORMATION

Avoid any pollution of ground, surface or underground water.

## SECTION: 16. OTHER INFORMATION

**Revision Date:** May 08, 2018



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## CERTIFICATE OF ANALYSIS

**Product: Rosemary Antioxidant Preservative Extract**

**Lot # :** 33012-A12, B13

**Shelf life :** 1 years min. if sealed and store away from direct sunlight

**Best Before:** August, 2018

Store in air tight container; in a cool dry area; away from direct sunlight.

PROPERTIES	SPECIFICATIONS	RESULTS
<b>Appearance:</b>	Greenish brown liquid	Complies
<b>Odor:</b>	Light cineole-like odor	Complies
<b>Solubility:</b>	100% soluble in vegetable oils, animal oils and alcohol.	Complies
<b>Moisture</b>	≤ 2.0 %	0.8 %
<b>Total Ash</b>	≤ 3.0 %	1.3 %
<b>Carnosic acid</b>	> 7.5 %	10.15 %
<b>Ph</b>	4.5 - 5.5	Complies
<b>Total yeast and mold</b>	≤ 100 cfu/g	Complies
<b>Total plate count</b>	≤ 1,000 cfu/g	Complies

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