



MATERIAL SAFETY DATA SHEET

**CORIANDER SELECT
CO2 EXTRACT**

MSDS

1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: CORIANDER SELECT CO2 EXTRACT
Product Use: Personal Care Formulations
Company Name: Natural Sourcing
Company Address: 341 Christian Street, Oxford, CT 06478, USA
Date Issued: 05/15/2012
Emergency Telephone Number: Chemtrec Tel: (800) 262-8200

2. HAZARDS IDENTIFICATION

Classifications:
Indications of Danger: Harmful, Irritant
R-Phrases: May cause sensitization by skin contact
 Harmful; may cause lung damage if swallowed
 Irritating to eyes, respiratory system and skin
 Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.

Explication of Special Hazards for Human Health and Environment: Special skid risk by leaking/spilling product.

Contains: 40-78% linalool (CAS No: 78-70-6)
 < 2 % geraniol (CAS No: 106-24-1)
 < 2.5% limonene (CAS No: 5989-27-5)

MAY CAUSE ALLERGIC REACTIONS

3. COMPOSITION/INGREDIENT INFORMATION

Chemical Characterization:
INCI Name: Coriandrum Sativum Fruit Extract (CO2), CAS No: 84775-50-8, EINECS No: 283-880-0
Essential Oil Content: 75-97%
Content of Safrole in Extract: < 100 pm

Hazardous Components:

Chemical Name	CAS No.	EC No.	Quantity	Classification
Linalool	78-70-6	201-134-4	36-78%	Xi, R36/37/38
α pinene	7785-26-4		< 5%	Xi, R10-36/37/38

Geranyl acetate	105-87-3	203-341-5	< 5%	Xn, Xi, R22-36/37/38
Camphor	76-22-2	200-945-0	< 5%	Xn, Xi, R22-36/37/38
d-Limonene	5989-27-5	227-813-5	< 2%	Xi, N R10-38-43-50-53
Further Information:	No Solvent Residues			

4. FIRST AID MEASURES

Eyes:	Flush with plenty of water or eye wash solution for 15 minutes. Get medical attention if irritation persists.
Skin:	Wash with soap and water. Seek medical attention if irritation persists.
Ingestion:	Rinse mouth immediately and drink large quantities of water. Consult physician.
Inhalation:	Remove to fresh air.
Medical Conditions Generally Aggravated by Exposure:	None

5. FIRE FIGHTING MEASURES

Extinguishing Media:	Dry Chemical, Carbon Dioxide, Foam • Do Not Use Water Except to Cool Containers.
Special Firefighting Procedures:	In case of fire, wear self-contained breathing apparatus.
Unusual Fire & Explosion Hazards:	Formation of dangerous fumes possible.

6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

Personal Protection:	Avoid contact with skin and eyes, concentrated extracts should not be swallowed.
Environmental Protection:	Keep away from canalization, waterway, and groundwater.
Methods for Cleaning Up:	Remove mechanically, placing in appropriate containers for disposal.

7. HANDLING AND STORAGE

Handling	
Safe Handling:	Avoid contact with skin and eyes, concentrated extracts should not be swallowed. Wear splash goggles and oil resistant gloves.
Storage	
Requirements for Storage Areas and Containers:	Store in a cool, dry location, in a sealed container, away from sunlight. Avoid heat.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Eye:	Wear splash goggles.
Skin/Body:	Wear oil resistant gloves. Remove contaminated clothing.
Respiratory:	Do not breathe vapor/aerosol.
Ventilation:	Area should be well ventilated.
Other:	Evaluate need based on application.
Work/Hygiene Practice:	Normal work and hygiene practices

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Clear oil
Color:	Light yellow
Odor:	Characteristic, herbal
Flash Point:	62°C Abel-Pensky
Density @ 20°C:	<1 g/cm ³ pycnometer
Solubility in Water:	Insoluble
Solubility in Other Solvents:	Good solubility in fat phases
Solvent Content:	No solvent residues

10. STABILITY AND REACTIVITY

Stability:	Stable
Conditions to Avoid:	Heat, open flame and sunlight
Materials to Avoid:	Oxidizing agents
Hazardous Decomposition or Byproducts:	None when carefully used
Hazardous Polymerization:	Will Not Occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	LD50: Linalool: Oral 2790 mg/kg Rat LD50: Camphor: Oral 1310 mg/kg Mouse LD50: Limonen: Oral 4400 mg/kg Rat LD50: Geranyl Acetate: Oral 6330 mg/kg Rat Linalool: RTECS No: RG5775000 Following skin contact Rabbit. 500 mg/24h/mild irritant
Corrosive and Irritant Effects:	Camphor: RTECS No: EX1225000 Following skin contact Rabbit. 500 mg/24h/moderate irritant effect Geranyl Acetate: RTECS No: RG5920000 Following skin contact Rabbit. 100 mg/24h/strong irritant effect
Additional Information on Tests:	Irritating to eyes, respiratory system and skin Frequent or prolonged contact with skin may cause dermal irritation.
Further Information:	According to our knowledge, the chemical, physical and toxicological properties have not been examined extensively.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Harmful to aquatic organisms. Under appropriate use there are no ecological problems to expect. No heavy metals and inorganic components.
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13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods:	Do not put into sewer lines. Dispose of according to local, state and federal regulations.
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14. TRANSPORT INFORMATION

DOT Classification: Not a DOT controlled material (USA).
Class/Division: Not restricted
Proper Shipping Name: NA
Label: None
Packing Group: NA
ID Number: NA

15. REGULATORY INFORMATION

Labeling According to EC-Guidelines: **Danger Symbols: Xn- Harmful**
Hazardous Components to be Indicated on Label: **Geranyl Acetate**
Camphor
d-Limonene

R Phrases: 36/37/38: Irritating to eyes, respiratory system and skin
43: May cause sensitization by skin contact
65: Harmful; may cause lung damage if swallowed
52/53: Harmful to aquatic organisms; may cause long term adverse effects in the aquatic environment
24: Avoid contact with skin
26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
37: Wear suitable gloves

S Phrases: 61: Avoid release to the environment. Refer to special instructions/safety data sheets.
62: If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

Special Labeling for Certain Preparations: Warning – this preparation contains a substance not yet tested completely

National Regulatory Information:

Employment Restrictions: Observe employment restrictions for young people. Observe employment restrictions for child bearing and nursing mothers.

Water Contaminating Class: 2- water contaminating

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.