



SAFETY DATA SHEET

CO2SIBFIRSEAU1139
VERSION NO. 1

SIBERIAN FIR CO2 SUBCRITICAL EXTRACT

*Prepared to US OSHA, CMA, ANSI, Canadian WHMIS Standards,
Australian WorkSafe, Japanese Industrial Standard JIS Z
7250:2000, and European Directives*

1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Trade Name (as labeled):	SIBERIAN FIR CO2 SUBCRITICAL EXTRACT
Botanical Name:	Abies sibirica
INCI Name:	Abies Sibirica (Siberian Fir) Extract
Synonyms:	None
CAS No:	91697-89-1
EINECS No:	294-351-9
FEMA No:	Not available
1.2 Product Use:	Personal Care Formulations
1.3 Company Name:	Natural Sourcing, LLC.
Company Address:	341 Christian Street, Oxford, CT 06478, USA
Business Phone:	(800) 340-0080
Website:	www.naturalsourcing.com
Email:	info@naturalsourcing.com
1.4 Emergency Telephone Number:	Chemtrec: (800) 262-8200
Date of Current Revision:	June 22, 2024
Date of Last Revision:	New

2 HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: This product is a transparent oily liquid with a characteristic odor.

Health Hazards: Direct contact with eyes can cause serious irritation. May skin irritation and / or allergic reaction. Lung damage may occur if swallowed.

Flammability Hazards: This product is not considered a Flammable liquid with a flash point of 120°C (248°F).

Reactivity Hazards: None.

Environmental Hazards: Release of this product may cause adverse effects in the environment.

US DOT Symbols: See Section 14

EU and GHS Symbols:



Signal Word:

Danger

2.1 EU Labeling and Classification:

This product meets the definition of a hazardous substance or preparation as defined by 29 CFR 1910.1200 and regulation (EU) No. 2020/878 and regulation (EC) No. 1272/2008.

Components Contributing to Classification: Siberian Fir Subcritical CO2 Extract

2.2 Label Elements:

GHS Hazard Classifications:	Skin Irritation Category 2 Eye Irritation Category 2A Skin Sensitization Category 1 Aspiration Toxicity Category 1 Aquatic Chronic Category 2
Hazard Statements:	H315 Causes skin irritation H318 Causes serious eye irritation H317 May cause an allergic skin reaction H304 May be fatal if swallowed and enters airways H411 Toxic to aquatic life with long lasting effects.
Prevention Statements:	P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash area affected thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective glove/eye protection/face protection.
Response Statements:	P301+P310 IF SWALLOWED: Immediately call a POISON CENTER. P331 Do NOT induce vomiting. P302+P352 IF ON SKIN: Wash with plenty of water. P362+P364: Take off contaminated clothing and wash it before reuse. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P391 Collect spillage. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention. P310 Immediately call a POISON CENTER/doctor.
Storage Statements:	P403 Store in a well-ventilated place. P405 Store locked up.
Disposal Statements:	P501 Dispose of contents/container in accordance with local regulations.

2.3 Health Hazards or Risks From Exposure:

Other Hazards

Endocrine Disruptor Information: This product does not contain chemicals on the Candidate List of substances of very high concern for Authorisation.

Symptoms of Overexposure by Route of Exposure:

The most significant routes of overexposure for this product are by contact with skin, eyes and the respiratory system. The symptoms of overexposure are described in the following paragraphs.

Acute:

- Inhalation: Mists or spray may cause respiratory irritation.
- Skin Contact: May cause skin irritation and sensitization upon direct contact.
- Eye Contact: Causes serious eye irritation.
- Ingestion: May be harmful if swallowed.

Chronic: No data available.

Target Organs:

- Acute: Eyes, Skin, Respiratory system.
- Chronic: No data available

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Type of Product: Natural Sourcing CO2 Extracts

Ingredients:	WT%	CAS No.	EINECS No.	Hazard Classification
Siberian Fir Subcritical CO2 Extract	100%	91697-89-1	294-351-9	Asp. Tox. 1, Skin Irrit.2, Skin Sensitization 1, Eye Irrit 2A, Aquatic Chronic 2

4 FIRST AID MEASURES

4.1 Description of First Aid Measures:

Eye Contact:

If product enters the eyes, flush with plenty of water or eye wash solution for several minutes. Seek medical attention if irritation persists.

Skin Contact:

Wash skin thoroughly with soap and water after handling. Seek medical attention if irritation develops and persists.

Inhalation:

If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.

Ingestion:

If product is swallowed, call physician or poison center if you feel unwell. If professional advice is not available, do not induce vomiting. Never induce vomiting or give dilutants (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.

Medical Conditions Generally Aggravated by Exposure:

No data available

4.2 Symptoms and Effects Both Acute and Delayed:

Direct contact with eyes can cause damage. May skin irritation and / or allergic reaction. Lung damage may occur if swallowed.

4.3 Recommendations to Physicians:

Treat symptoms and eliminate overexposure.

5 FIRE FIGHTING MEASURES

5.1 Fire Extinguishing Materials:

Use the following fire extinguishing materials:

Water Spray: Yes

Carbon Dioxide: Yes

Foam: Yes

Dry Chemical: Yes

Halon: No

Other: Any "B" Class

5.2 Unusual Fire and Explosion Hazards:

Irritating and toxic fumes may be produced at high temperatures. Use of water may result in the formation of a toxic aqueous solution. Do not allow run-off from firefighting to enter drains or water courses.

Explosive Sensitivity to Mechanical Impact:

No

Explosive Sensitivity to Static Discharge:

No

5.3 Special Fire-Fighting Procedures:

- Incipient fire responders should wear eye protection.
- Structural firefighters must wear Self-Contained Breathing Apparatus (SCBA) and full protective equipment.
- Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray.
- If possible, prevent run-off water from entering storm drains, bodies of water, or other environmentally sensitive areas.

<p>NFPA RATING SYSTEM</p> <p style="text-align: center;">Flammability</p> <p style="text-align: center;">1</p> <p style="text-align: center;">2 0</p> <p style="text-align: center;">Health Reactivity</p> <p style="text-align: center;">Other</p>	<p>HMIS RATING SYSTEM HAZARDOUS MATERIAL IDENTIFICATION SYSTEM</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #00aaff; color: white;">HEALTH HAZARD (BLUE)</td> <td style="text-align: center; color: white;">2</td> </tr> <tr> <td style="background-color: #ff0000; color: white;">FLAMMABILITY HAZARD (RED)</td> <td style="text-align: center; color: white;">1</td> </tr> <tr> <td style="background-color: #ffff00; color: black;">PHYSICAL HAZARD (YELLOW)</td> <td style="text-align: center; color: black;">0</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th colspan="4">PROTECTIVE EQUIPMENT</th> </tr> <tr> <th>EYES</th> <th>RESPIRATORY</th> <th>HANDS</th> <th>BODY</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"></td> <td style="text-align: center;">See Sect 8</td> <td style="text-align: center;"></td> <td style="text-align: center;">See Sect 8</td> </tr> </tbody> </table>	HEALTH HAZARD (BLUE)	2	FLAMMABILITY HAZARD (RED)	1	PHYSICAL HAZARD (YELLOW)	0	PROTECTIVE EQUIPMENT				EYES	RESPIRATORY	HANDS	BODY		See Sect 8		See Sect 8
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Hazard Scale: 0 = Minimum 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic Hazard

6 ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Use cautious judgment when cleaning up spill. Wear suitable protective clothing, gloves, and eye/face protection.

6.2 Environmental Precautions:

Construct a dike to prevent spreading. Keep out of sewers, storm drains, surface waters, and soils.

6.3 Spill and Leak Response:

Small Spills:

- Collect material via broom or mop. Place in tightly sealed containers for proper disposal.
- Approach spill areas with caution.
- If liquid was introduced, create a dike or trench to contain material. Soak up with absorbent material such as clay, sand or other suitable non-reactive material.
- Place in leak-proof containers. Seal tightly for proper disposal.
- Dispose of in accordance with U.S. Federal, State, and local hazardous waste disposal regulations and those of Canada and its Provinces, those of Australia, Japan and EU Member States (see Section 13, Disposal Considerations).

Large Spills:

7 HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

To prevent eye contact under the foreseeable conditions of use, wear appropriate safety eyewear. When handling, do not eat, drink, or smoke. Wash thoroughly after handling.

7.2 Storage and Handling Practices:

Keep away from oxidizing agents. Store in a cool, dry location, in a sealed container in a well-ventilated area away from sources of ignition.

7.3 Specific Uses:

Personal care formulations.

8 EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Exposure Parameters:

No specific data available for this product.

8.2 Exposure Controls:

Ventilation and Engineering Controls:

Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

Respiratory Protection:

Not required for properly ventilated areas.
Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

Eye Protection:

Safety glasses or goggles are recommended.
If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

Hand Protection:

Chemical resistant gloves are required to prevent skin contact.
If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

Body Protection:

Use body protect appropriate to task being performed.
If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:

Appearance (Physical State and Color): This product is transparent oily liquid

Odor: Characteristic

Odor Threshold: Not Available

pH: Not Available

Melting/Freezing Point: Not Available

Boiling Point: 160°C

Flash Point: 120°C (248°F)

Evaporation Rate: Not Available

Flammability (Solid; Gas): Not Available

Upper/Lower Flammability or Explosion Limits: Not Available

Vapor Pressure (mm Hg @ 20°C (68°F): Not Available

Vapor Density: Not Available

Relative Density: Not Available

Specific Gravity: Not Available

Solubility in Water: Insoluble

Weight per Gallon: Not Available

Partition Coefficient (n-octanol/water): Not Available

Auto-ignition Temperature: Not Available

Decomposition Temperature: Not Available

Viscosity: Not Available

9.2.1 INFORMATION WITH REGARD TO PHYSICAL HAZARD CLASSES

Explosives: Not Available
Flammable Gases: Not Available
Aerosols: Not Available
Oxidizing Gases: Not Available
Gases Under Pressure: Not Available
Flammable Liquids: Not Available
Flammable Solids: Not Available
Self-Reactive Substances and Mixtures: Not Available
Pyrophoric Liquids: Not Available
Pyrophoric Solids: Not Available
Self-Heating Substances and Mixtures: Not Available
Substances and Mixtures, Which Emit Flammable Gases In Contact With Water: Not Available
Oxidizing Liquid: Not Available
Oxidizing Solid: Not Available
Organic Peroxides: Not Available
Corrosive to Metals: Not Available
Desensitized Explosives: Not Available
Gases Under Pressure: Not Available

9.2.2 OTHER SAFETY CHARACTERISTICS

Mechanical Sensitivity: Not Available
Self-Accelerating Polymerization Temperature: Not Available
Formation of Explosible Dust/Air Mixtures: Not Available
Acid/Alkaline Reserve: Not Available
Evaporation Rate: Not Available
Miscibility: Not Available
Conductivity: Not Available
Corrosiveness: Not Available
Gas Group: Not Available
Redox Potential: Not Available
Radical Formation Potential: Not Available
Photocatalytic Properties: Not Available

10 STABILITY AND REACTIVITY

<u>10.1 Reactivity:</u>	This product is not reactive.
<u>10.2 Stability:</u>	Stable under normal temperature conditions and recommended use.
<u>10.3 Possibility of Hazardous Reactions:</u>	This material presents no significant reactivity hazard.
<u>10.4 Conditions to Avoid:</u>	Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures
<u>10.5 Incompatible Substances:</u>	No data available.
<u>10.6 Hazardous Decomposition Products:</u>	Under normal conditions of storage and use, hazardous decomposition products should not be produced

11 TOXICOLOGICAL INFORMATION

<u>11.1 Information on Toxicological Effects:</u>	LD50 > 7,000 MG/KG (Body Wt.) Rat
Suspected Cancer Agent:	Ingredients within this product are not found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are not considered to be, nor suspected to be, cancer-causing agents by these agencies.
Irritancy:	Skin, Eyes: Expected to be an irritant
Sensitization to the Product:	This product is expected to cause skin sensitization.
Reproductive Toxicity:	No specific information is available concerning the effects of this product and its components on the human reproductive system.

11.2 INFORMATION ON OTHER HAZARD CLASSES WHICH RELATES TO ENDOCRINE DISRUPTING PROPERTIES:

No specific data available for this product.

12 ECOLOGICAL INFORMATION

<u>12.1 Toxicity:</u>	No specific data available on this product.
<u>12.2 Persistence and Degradability:</u>	No specific data available on this product.
<u>12.3 Bioaccumulative Potential:</u>	No specific data available on this product.
<u>12.4 Mobility in Soil:</u>	No specific data available on this product.
<u>12.5 Results of PBT and vPvB Assessment:</u>	No specific data available on this product.
<u>12.6 Endocrine Disrupting Properties:</u>	No specific data available on this product.
<u>12.7 Other Adverse Effects:</u>	No data available
<u>12.8 Water Endangerment Class:</u>	At present, there are no ecotoxicological assessments for this product.

13 DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:	Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.
13.2 EU Waste Code:	Not determined

14 TRANSPORTATION INFORMATION**US DOT, IATA, IMO, ADR:****14.1 U.S. Department of Transportation (DOT) Shipping Regulations:**

This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows.

UN Identification Number:	UN3082
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Subcritical CO2 Extract)
Hazard Class Number and Description:	Class 9 – Environmentally Hazardous Substance
Packing Group:	III
DOT Label(s) Required:	Marine Pollutant
North American Emergency Response Guidebook Number:	171
RQ Quantity:	None

14.2 Environmental Hazards:

Marine Pollutant: The components of this product are designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

14.3 Special Precaution for User:

None applicable.

14.4 International Air Transport Association Shipping Information (IATA):

This product is considered as dangerous goods.

14.5 International Maritime Organization Shipping Information (IMO):

This product is considered as dangerous goods.

14.6 Transport in Bulk According to Annex II of Marpol 73/78 and IBC Code:

European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR:)	This product is considered by the United Nations Economic Commission for Europe to be dangerous goods.
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15 REGULATORY INFORMATION**15.1 Safety, Health and Environmental Regulations Specific for the Substance or Mixture:****United States Regulations:****U.S. SARA Reporting Requirements:**

The components of this product are subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act as follows: None

U.S. SARA Threshold Planning Quantity:

There are no specific Threshold Planning Quantities for the components of this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lbs (4,540 kg) therefore applies, per 40 CFR 370.20.

U.S. CERCLA Reportable Quantity:

None

U.S. TSCA Inventory Status:

The components of this product are listed on the TSCA Inventory or are exempted from listing.

Other U.S. Federal Regulations:

None known

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65):

This product does not contain ingredients on the Proposition 65 Lists.

15.2 Canadian Regulations:**Canadian DSL/NDSL Inventory Status:**

Components are DSL Listed, NDSL Listed and/or are exempt from listing

Other Canadian Regulations:

Not applicable

Canadian Environmental Protection Act (CEPA) Priorities Substances Lists:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Canadian WHMIS Classification and Symbols:

This product is considered hazardous per WHMIS Controlled Product Regulations.

15.3 European Economic Community Information:

This product meets the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives. See Section 2 for Details.

Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

15.4 Australian Information for Product:

Components of this product are listed on the International Chemical Inventory list.

15.5 Japanese Information for Product:

Japanese Minister of International Trade and Industry (MITI) Status: The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

15.6 International Chemical Inventories:Listing of the components on individual country Chemical Inventories is as follows:

Australian Inventory of Chemical Substances (AICS): Listed

Korean Existing Chemicals List (ECL): Listed

Japanese Existing and New Chemical Substances (ENCS): Listed

Philippines Inventory of Chemicals and Chemical Substances (PICCS): Listed

U.S. TSCA: Listed

16 ADDITIONAL INFORMATION**Abbreviations and acronyms**

ACGIH	American Conference of Governmental Industrial Hygienists
CFR	Code of Federal Regulations
DOT	Federal Department of Transportation
GHS	The Globally Harmonized System of Classification and Labelling of Chemicals
HMIS	Hazardous Material Identification System
HCS	Hazard Communication Standard
IARC	International Agency for Research on Cancer
IATA	The International Air Transport Association
ICAO	The International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
LD50/LC50	Lethal Concentration/Dose, 50 percent
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health
PEL	Permissible Exposure Limit
SARA	Superfund Amendments and Reauthorization Act

TLV ACGIH Threshold Limit Value
TWA Time-Weighted Average

Prepared By: Chris Eigbrett (MSDS to GHS Compliance)

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of the need that information is current, applicable and suited to the circumstances of use. 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. Natural Sourcing, LLC. assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Natural Sourcing, LLC assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

Revision Log

06/22/2024 – Document Creation

END OF SDS SHEET