



*"Nothing added, nothing taken away.  
Only the best that nature can give."*

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## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Fir Needle Essential Oil :
Botanical name	:	Abies siberica
INCI name	:	Abies Sibirica Oil
CAS #	:	8021-29-2/91697-89-1
Country of Origin	:	Russia
EINECS #	:	294-351-9
Product use	:	Domestic and Industrial

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

### GHS Classification

Flammable Liquids - Category 3

Acute Toxicity, Oral - Category 5

Aspiration Hazard - Category 1

Skin Corrosion/Irritation - Category 2

Skin Sensitization - Category 1/1A/1B

Hazardous to aquatic environment, Long term/Chronic - Category 3

### GHS Label elements, including precautionary statements



Signal: Danger

### Hazard statement(s)

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long-lasting effects.

**Precautionary statement(s)**

P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302+P352	IF ON SKIN: Wash with plenty of water.
P312	Call a POISON CENTER/ doctor/if you feel unwell.
P321	Specific treatment (see section 4 on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention.
P362	Take off contaminated clothing.
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.
P405	Store locked up.
P501	Dispose of contents/container according to local regulations.

**3. COMPOSITION / INFORMATION INGREDIENTS**

Product Name	CAS NO	EC NO	Concentration
Camphene	79-92-5	201-234-8	20 - 25 %
3,7,7-Trimethylbicyclo[4.1.0]hept-3-ene	13466-78-9	236-719-3	10 - 20 %
alpha-Pinene	7785-26-4	232-077-3	10 - 20 %
Limonene	138-86-3	205-341-0	2.5 - 5.0 %
beta-Phellandren	555-10-2	209-081-9	2.5 - 5.0 %
beta-Pinene	18172-67-3	242-060-2	1.0 - 2.5 %
p-Mentha-1,4(8)-dien	586-62-9	209-578-0	1.0 - 2.5%
Menthyl Acetate	2623-23-6	220-076-0	< 1.0 %
Longifolene	475-20-7	207-491-2	< 1.0 %

**4. FIRST AID MEASURES****Eye contact**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**Skin contact**

Immediately wash with water and soap and rinse thoroughly.

**Inhalation**

Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.

**Ingestion**

If symptoms persist consult doctor.

**5. FIRE FIGHTING MEASURES****Suitable extinguishing media**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

### Unsuitable extinguishing media

Use water with fuel jet.

### Special protective equipment and precautions for fire-fighters

Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

### Special hazards arising from the substance or its combustible products

Hazardous decomposition products may be formed at extreme heat or if burned.

### Resulting gases

Carbon oxides.

## 6. ACCIDENTAL RELEASE MEASURES

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### Personal precautions, protective equipment and emergency procedures.

Wear protective equipment. Keep unprotected persons away.

### Environmental precautions

Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/surface or ground water

### Methods and materials for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste. Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents.

## 7. HANDLING AND STORAGE

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### Precautions for safe handling

Information for safe handling: Prevent formation of aerosols. Information about fire - and explosion protection: Keep ignition sources away - Do not smoke. Protect against electrostatic charges.

### Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles: No special requirements. Information about storage in one common storage facility: Not required. Further information about storage conditions: Keep container tightly sealed.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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### Exposure controls

No further data.

### Eyes

Use tightly sealed goggles.

### Skin

If skin contact or contamination of clothing is likely, protective clothing should be worn. Use protective gloves.

### Respiratory

Not required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance	:	Colorless to light yellow clear liquid.
Odor	:	Characteristic sweet woody odor.
pH	:	3 @ 20 °C

Flash point	:	43 °C
Relative density	:	0.895 to 0.908 g/cm <sup>3</sup> @ 25°C
Solubility (ies)	:	Insoluble in water.
Refractive index	:	1.450 to 1.500 @ 20°C
Optical rotation	:	-60.0 to -30.0 @ 20°C

## 10. STABILITY AND REACTIVITY

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### Reactivity

This material presents no significant reactivity hazard.

### Possibility of hazardous reactions

Hazardous polymerization will not occur.

### Conditions to avoid

Avoid sparks, flame and other heat sources.

### Incompatible materials

Strong oxidizing agents.

### Hazardous decomposition products

When heated to decomposition produces acid fumes and carbon monoxide smoke.

## 11. TOXICOLOGICAL INFORMATION

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### Acute toxicity

Not available.

### Carcinogenicity

None of the components of this material are listed as a carcinogen.

### Chronic toxicity

May cause allergic reactions on skin.

### Reproductive toxicity

No adverse effects on reproduction are known.

### Inhalation

Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.

### Skin contact

No irritant effect.

### Eye contact

Possible irritation should be prevented by wearing safety glasses.

### Ingestion

Low order toxicity causing irritation of the stomach and intestines which results in nausea and vomiting

### Repeated exposure

Repeated or prolonged contact may cause redness, irritation and scaling of skin (Dermatitis).

## 12. ECOLOGICAL INFORMATION

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### Ecotoxicity

Toxic to aquatic organisms, may cause long-term adverse effects environment. Avoid any pollution of ground, surface or underground water.

## 13. DISPOSAL CONSIDERATION

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Dispose of product in accordance with local, state or provincial and federal regulations. Check with local municipal authority to ensure compliance.

## 14. TRANSPORT INFORMATION

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### UN Number

1993

### UN proper shipping name

Flammable liquid, n.o.s. (alpha-Pinene, beta-Pinene and Limonene)

### Transport hazard class

3

### Packing group

III

### US DOT Shipping Description (Land)

1993

### Proper shipping name

Flammable liquid, n.o.s. (alpha-Pinene, beta-Pinene and Limonene)

### Class

3

### Packaging group

III

### IMO-IMDG Shipping Description (Sea)

1993

### Proper shipping name

Flammable liquid, n.o.s. (alpha-Pinene, beta-Pinene and Limonene)

### Class

3

### Packaging group

III

### IATA Shipping Description (Air)

1993

### Proper shipping name

Flammable liquid, n.o.s. (alpha-Pinene, beta-Pinene and Limonene)

### Class

3

### Packaging group

III

## 15. REGULATORY INFORMATION

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### GHS Hazard Statements

Please refer to section 2.

### GHS Precautionary Statements

Please refer to section 2.

## SECTION 16: OTHER INFORMATION

The information in this Data Sheet is believed to be accurate as of the date issued, and is NOT BATCH SPECIFIC. HOWEVER, NO WARRANTY, EXPRESSED OR IMPLIED IS MADE CONCERNING THE ACCURACY, COMPLETENESS OR RELIABILITY OF THE INFORMATION PROVIDED HEREIN, INCLUDING BUT NOT LIMITED TO, WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR COURSE OF PERFORMANCE. The information provided relates only to the specified product designated and may not be applicable where such product is used in combination with any other materials or in any process. Silky Scents® disclaims any and all liability, loss or damage arising out of or relating to the use, storage, handling or disposal of the product or reliance on the information in this doc. Users are cautioned to satisfy themselves as to the suitability of said information, procedures and recommendations for the purposes intended prior to use