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## DATA SHEET

## BLACK SPRUCE ORGANIC OIL

*Picea mariana (Mill.) Britton, Sterns & Poggenb.*

Number of pages : 2  
Created on : 02/11/2003  
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TDS B366

Version 04.51

Organic product certified by FR-BIO-01

## PROCESSING METHOD

Essential Oil obtained by steam distillation from the needles and branches of *Picea mariana* (Mill.) Britton, Sterns & Poggenb.

## PHYSICAL PROPERTIES

Odour : Fresh, resinous and balsamic  
Appearance : Liquid  
Color : Colorless to yellow

## CHEMICAL PROPERTIES

Specific gravity at 20°C : 0,895 to 0,920  
Refractive index at 20°C : 1,460 to 1,475  
Optical rotation at 20°C : -40,0 ° to -15,0 °  
Flash point : +46 °C  
Acid value : N.A.  
Peroxide value : < 10 mmoles/L

## MAIN INGREDIENTS

Bornyl acetate (12,00 to 35,00%)  
Camphene (10,00 to 25,00%)  
Alpha pinene (12,00 to 22,00%)  
Delta 3 carene (<= 15,00%)

## TECHNICAL SPECIFICATIONS

## NCS, Natural Complex Substance (100% pure and natural)

N°CAS TSCA : 8008-80-8  
N°CAS EINECS : 91722-19-9  
N°EINECS : 294-420-3  
N°FEMA : 3034  
N°FDA : 172.510  
N°CoE: : -  
FCC : -  
RIFM : X  
FMA : X  
AFNOR : -  
INCI : PICEA MARIANA LEAF OIL  
Country of harvest : CANADA  
Country of manufacturing : CANADA

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**HANDLING, STORING AND SHELF LIFE**

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Follow usual precaution of chemical ingredient handling. Store in a sealed container, in a dry, cool and aired area, protected from the light.

**Shelf life : 36 months from the date of manufacture**

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**TRANSPORT INFORMATION**

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**Hazard Class 3, Packing group III, UN n°1272**

Customs rate code : **3301 29 49**

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**SPECIAL INDICATIONS**

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- The presence of the following allergen substances in a finished product must be indicated by way of labelling if their respective concentration exceeds 100 ppm in a rinsed product and 10 ppm in a product not rinsed. (Annex III of Regulation (EC) N°1223/2009 of 30 november 2009 on cosmetic products)

Present allergens : **D-Limonene (<= 5,00%), Linalool (<= 1,00%)**

- IFRA restrictions : **Not regulated**

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Contact **M. DENAT Jean-François**

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