



TECHNICAL DATA SHEET – BLACK SPRUCE ESSENTIAL OIL

Product Identification

Description: Black Spruce Essential Oil

Part: Twigs and Needles

Chemical Identification: Pine, *Picea mariana*, oil

Botanical name: *Picea mariana*

Purity: 100% pure and natural

Country of Origin: Canada

CAS Number: 8008-80-8, 91722-19-9

Organoleptic Properties

Property	Specification
Aspect	Liquid
Colour	Clear light yellow to greenish
Odour	Balsamic, green, woody

Chemical and Physical Properties

Property	Specification
Shelf life	2 Years
Specific gravity	0.89-0.92
Refractive index	1.460-1.500
Flash point	48 °C

Main Components

Component	CAS	Specification
α -pinene	80-56-8	18-24%
Camphene	79-92-5	13-23%
β -pinene	127-91-3	<8.5%
Δ^3 -Carene	13466-78-9	7-12%
Bornyl Acetate	76-49-3	18-25%

Handling and Storage

Keep in a cool, dark location, out of direct sunlight. Keep out of reach of children and pets. DO NOT INGEST. External use only.