

## TECHNICAL DATA SHEET

### Product Identification

Part Number:	10018-101
Description:	Black Spruce BARK Essential Oil
Part:	Bark
Chemical Identification:	Spruce Bark, <i>Picea mariana</i> , oil
Botanical name:	<i>Picea mariana</i> Cortex
Purity:	100% pure and natural
Country of Origin:	Canada
CAS Number:	8008-80-8, 91722-19-9



### Certification

None

### Organoleptic properties

Property	Specification
Aspect	Liquid
Color	Clear light yellow to greenish
Odor	Woody

### Chemical and Physical properties

Property	Specification
Shelf life	3 years
Specific gravity	0.89-0.92
Refractive Index	1.460-1.500
Flash Point	48 °C

### Main components

Component	CAS	Specification
$\alpha$ -pinene	80-56-8	40-55%
Camphene	79-92-5	<4%
$\beta$ -pinene	127-91-3	15-25%
$\Delta^3$ -Carene	13466-78-9	4-8%
Bornyl Acetate	76-49-3	<4 %

### Handling

See Safety Data Sheet (SDS) for handling conditions.