

TECHNICAL DATA SHEET

Sr. No. : 1058-V-02

Printed Date 03/04/2018

Item Code	: 1058	Date	: 17/06/2013
Item Name	: FIR NEEDLE OIL CANADA	Version	: 02

CAS #	8021-28-1
EINECS #	285-364-0
Botanical Name	Abies balsamea
Product Description	Pale yellow to greenish mobile liquid having characteristic sweet woody scent of pine.
Origin	Obtained by the steam distillation from the needles and twigs of Abies balsamea.

PHYSICO-CHEMICAL PROPERTIES :

Appearance	Pale yellow to greenish liquid
Physical Status	LIQUID
Flash Point (Closed cup) °C	43.3°C
Refractive Index	1.470 - 1.500 @20°C
Relative Density	0.870 - 0.880 @20°C
Optical Rotation	Not determined
Solubility in Alcohol	Soluble
Solubility in Water	Insoluble
Main Components by GLC	alpha Pinene: 14 - 18% Limonene: 12 - 20% L-Bornyl Acetate: 5.0 - 10%

Shelf Life	12 months under proper storage conditions.
Stability	Avoid strong acid strong base and all oxidizing agent.
Uses	Perfumes & Fragrances

HANDLING PRECAUTION	Handle in adequate ventilation, avoid skin and eye contact, use goggles or face shield and wear protective clothing
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PACKING & STORAGE	Store at ambient temperature, dry and well-ventullated area, away from heat source and protected from light. Store in tightly sealed original containers, packed in Aluminium bottles, HDPE Food grade cans, MS Coated Drums or GI Drums. Keep air contact min
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