

TECHNICAL DATA SHEET (TDS)
CAMPHOR ESSENTIAL OIL
(Cinnamomum Camphora Oil)

1. PRODUCT IDENTIFICATION & OVERVIEW

Product Name	Camphor Oil
INCI Name	Cinnamomum Camphora (Camphor) Oil
Botanical Name	Cinnamomum camphora (L.) J. Presl
CAS Number	8008-51-3 / 92201-08-2
Description	100% Pure and Natural essential oil obtained by steam distillation of the wood and branches of Cinnamomum camphora, of the Lauraceae family.

2. TECHNICAL & SENSORY PROPERTIES

Appearance	Clear, mobile liquid
Colour	Colourless to pale yellow
Odour	Characteristic extremely fresh, penetrating, camphoraceous, and cooling aroma
Relative Density (20/20°C)	0.870 – 0.910
Refractive Index (20°C)	1.465 – 1.480
Optical Rotation (20°C)	+10° to +35°
Camphor Content	35% – 50%
1,8-Cineole Content	10% – 25%
Safrole Content	Maximum 1.0%

3. APPLICATIONS & USES

Pharmaceutical & Topical	Widely incorporated into medicinal ointments, liniments, chest rubs, and balms for its warming and soothing relief.
Cosmetics & Personal Care	Used in scalp treatments, sports massage oils, and cooling foot lotions for its invigorating properties.
Aromatherapy & Wellness	Valued for its clarifying, stimulating, and purifying effects in respiratory and wellness blends.

Insect Repellents	Employed in natural insect deterrent formulations, mothballs, and spatial fresheners.
Industrial & Chemical	Important source for natural camphor and associated fragrance/chemical intermediates.

4. STORAGE, PACKAGING & SAFETY

Storage Conditions	Store in cool, dry place in tightly sealed containers, protected from heat and light.
Packaging	1 kg and 5 kg aluminium containers; 25 kg HDPE containers.
Shelf Life	36 months when stored properly in unopened original containers.
Safety & Handling	Avoid contact with eyes and broken skin. Keep out of reach of children. Handle in well-ventilated areas.

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