

TECHNICAL DATA SHEET (TDS)
LEMON EUCALYPTUS OIL
(Corymbia citriodora Oil)

1. PRODUCT IDENTIFICATION & OVERVIEW

Product Name	Lemon Eucalyptus Oil
INCI Name	Corymbia Citriodora Oil
Origin	Australia / China / Brazil
CAS Number	85203-56-1 / 8000-48-4
EINECS No.	286-249-8
Description	100% Pure and Natural essential oil obtained by steam distillation of fresh leaves and twigs of Corymbia citriodora (formerly Eucalyptus citriodora).

2. TECHNICAL & SENSORY PROPERTIES

Appearance & Color	Clear, mobile liquid; Colorless to pale yellow
Odor Profile	Fresh, powerful, citronella-like, uplifting lemon scent
Main Active Component	Citronellal (65.0% – 85.0%)
Density (20°C)	0.860 – 0.880 g/cm ³
Refractive Index (20°C)	1.450 – 1.460
Optical Rotation (20°C)	-2.0° to +3.0°

3. APPLICATIONS & RECOMMENDED USES

Natural Insect Repellent	Highly effective active precursor for PMD (p-menthane-3,8-diol) and widely used in natural botanical insect repellents.
Fragrance & Soap Industry	Adds a fresh, lemon-citrus top note to industrial fragrances, soaps, detergents, and household cleaners.
Aromatherapy & Wellness	Provides refreshing, purifying, and uplifting aromatherapeutic effects to combat mental fatigue.
Recommended Dosage	Insect repellents: 1.0% – 10.0%; Household / Fine

	Fragrances: 0.1% – 2.0%.
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4. STORAGE, PACKAGING & HANDLING

Packaging Options	25 kg HDPE Drums, 180 kg Galvanized Steel Drums, ISO Tank Containers
Storage Conditions	Store in well-sealed, full containers in a cool, dry, dark area away from heat and direct sunlight.
Shelf Life	36 months when stored properly in unopened original containers.
Safety & Handling	Skin sensitizer in pure form. Wear protective gloves and safety glasses during bulk handling.

Disclaimer: *The information provided in this document is correct to the best of our knowledge, information, and belief at the date of its publication. It is provided as a general specification for quality control and handling purposes only.*