

TECHNICAL DATA SHEET

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Item Name : CLOVE LEAF OIL

Version : 01

CAS # 8000-34-8¹ / 84961-50-2²
FEMA # 2325
EINECS # 284-638-7
BOTANICAL NAME *Eugenia caryophyllus*
Product Description Pale yellow to greenish yellow liquid with characteristic spicy odour.
Origin Obtained by steam distillation from leaf/twig of *Eugenia caryophyllus*

PHYSICO-CHEMICAL PROPERTIES:

Appearance Pale yellow to yellow
Physical Status Liquid
Flash Point (Closed cup) °C >93.33°C
Refractive Index 1.525 – 1.535 @ 20°C
Relative Density 1.025 – 1.046 @ 25°C
Optical Rotation N/A
Solubility in Alcohol 1:9 in 90% Alcohol
Solubility in Water Insoluble
Assay by GC/MS (%) Eugenol Caryophyllene
Pinenes

Shelf Life 12 months with proper storage conditions.
Legislation Natural
Stability Avoid strong acids strong bases & all oxidizing agents.

HANDLING PRECAUTION Handle with adequate ventilation Avoiding skin & eye contact. Use goggles or face shield safety gloves and wear protective clothing.

PACKING & STORAGE Should be stored in cool, dry, well ventilated places in full, tightly sealed containers. Protected from light & source of ignition. Packed in Aluminium, HDPE Food Grade Cans, MS Coated Drums, GI Drums. Avoid long contact with Iron, heat and light.

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