

## TECHNICAL DATA SHEET

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Item Name : MENTHA PIPERITA OIL

Version : 01

<b>CAS #</b>	8006-90-4 <sup>1</sup> , 84082-70-2 <sup>2</sup>
<b>FEMA #</b>	2848
<b>EINECS #</b>	282-015-4
<b>BOTANICAL NAME</b>	<i>Mentha piperita</i>
<b>Product Description</b>	A colorless to pale yellow liquid with characteristic sweet minty herbal odor followed by cooling sensation
<b>Origin</b>	Obtained from steam distillation of the leaf/twig of <i>Mentha piperita</i>

### PHYSICO-CHEMICAL PROPERTIES:

<b>Appearance</b>	Colorless to Pale yellow		
<b>Physical Status</b>	Liquid		
<b>Flash Point (Closed cup) °C</b>	68.33°C		
<b>Refractive Index</b>	1.457 – 1.467 @ 20 °C		
<b>Relative Density</b>	0.900 – 0.916 @ 25°C		
<b>Optical Rotation</b>	-10° to -30°		
<b>Solubility in Alcohol</b>	1:5 in 70% Alcohol		
<b>Solubility in Water</b>	Insoluble		
<b>Assay by GC/MS (%)</b>	L-Menthol	Menthyl acetate	Piperitone
	Menthone	Mentha furan	Isomenthone
	α – Pinene	Neo Menthol	D-Limonene
	β-Pinene	Pulegon	

<b>Shelf Life</b>	12 months with proper storage conditions.
<b>Legislation</b>	Natural
<b>Stability</b>	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 Aluminum, HDPE Food Grade Cans, MS Coated Drums, GI Drums. Avoid long contact with Iron, heat and light.

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1. United States National Library of Medicines (US)
2. European Inventory of Existing Chemical Substances. (EU)

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