

Description

Gum turpentine is the volatile fraction resulting from the distillation of oleoresins collected from softwood.

Chemical name: Essência de Terebentina

CAS N°: 8006-64-2

EC N°: 932-349-8

Appearance: Colourless liquid

Odour: Mild characteristic odour

Composition

Turpentine consists of four classes of products: terpene hydrocarbons, terpene alcohols, ethers and sesquiterpenes. The components present in greatest quantity are unsaturated bicyclic monoterpenes with the molecular formula C₁₀H₁₆, the most predominant being α-pinene and β-pinene.

Technical specifications

ANALYSIS	SPECIFICATIONS LIMITS	METHOD
Appearance	Liquid	-
Colour	Colourless or slightly yellow	-
Optical Rotation (°)	[-37,5 - -30,5]	ISO 592
Relative density (20 °C)	[0,862 - 0,868]	NP 74
Refractive index (20 °C)	[1,465 - 1,475]	ISO 280
Acid value (mg KOH . g ⁻¹)	[0,5 - 1,4]	NP 65
Peroxide Value (mmol O ₂ L ⁻¹)	≤ 10	IFRA Analytical Methods
Chromatographic profile	Conform	ISO 7609 Polar
α-pinene (%)	[70 - 80]	-
β-pinene (%)	[11 - 18]	-
Limonene (%)	[0 - 7]	-
Solubility	Soluble in aromatic and chlorinated hydrocarbons, esters and ketones. Partially soluble in aliphatic hydrocarbons.	

Applications

Gum turpentine is used as diluent or solvent in paints, varnishes, waxes and polishes; in the synthesis of resins with excellent adhesive and thermoplastic properties, pesticides, additives for oils, pine oil and camphor (used in the pharmaceutical industry); in the processing of textile fibers, solvents, deodorants, cleaning products and bactericidal; in the production of adhesives, polishes, additives for paper and synthetic rubbers; in the fragrance industry.

Storage

Store in cool well-ventilated place. Keep container tightly. Keep away from sources of ignition. Protect from heat and direct sunlight.

Packaging

Lacquered drums (180 kg) | IBC's (860 kg) | Tanks