

SPECIFICATION

Product Name: Menthyl Salicylate IP Grade (Wintergreen Oil)
Chemical Formula: C ₈ H ₈ O ₃
CAS Number: 119-36-8
Molecular Weight: 152.15 g/mol
Appearance: Colourless pale yellow liquid
Odor: Odor

Chemical Composition

Parameter	Unit	Typical Value
Refractive Index	-	1.536
Purity	%	99%
Weight per ml	g	1.179g

Physical Properties

- Solubility: Soluble in water. Soluble in ethanol. Soluble in ether. Soluble in chloroform. Soluble in propylene glycol.

Shelf Life & Storage

- Shelf Life: 3 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a cool, dry, and well-ventilated place at 15–25°C. Protect from direct sunlight, heat, moisture, and air. Keep the container tightly closed in the original amber-colored, airtight container to minimize oxidation and preserve product quality. Store away from strong oxidizing agents, alkalis, ignition sources, and open flames, as the product is combustible. Proper storage helps maintain its purity, stability, and characteristic aroma.

Applications

- Use: Widely used as a topical analgesic, counterirritant, flavoring agent, and fragrance ingredient in pharmaceutical, cosmetic, and personal care formulations. It provides a warming sensation and is commonly incorporated into pain-relief creams, ointments, gels, liniments, massage oils, balms, medicated patches, and topical sprays for temporary relief of muscular aches, joint pain, backache, sprains, and minor arthritis pain. It is also used in toothpastes,

mouthwashes, and oral care products as a flavoring agent, as well as in selected cosmetic and personal care products for its characteristic wintergreen fragrance.

- Dosage: Depends on the intended formulation, concentration, and route of administration. It should be used only in accordance with approved product labeling or under the supervision of a qualified healthcare professional.

Packaging

- Standard Packing: 35 Liter still drum and 1 Liter or as per customer requirement.

- Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.

* Specifications are based on the manufacturer's provided specifications.