



TECHNICAL DATA SHEET

1. Basic Information

Product Name	Methyl Salicylate
Synonyms	Wintergreen Oil, Synthetic Wintergreen
Chemical Name	Methyl 2-Hydroxybenzoate
CAS Number	119-36-8
EINECS Number	204-317-7
EC Code	204-317-7
Molecular Formula	C ₈ H ₈ O ₃
Molecular Weight	152.15
HS Code	2918230000
Appearance	Colorless to pale yellow liquid
Odor	Characteristic wintergreen odor

2. Typical Specifications

Parameter	Specification
Assay	≥ 99.0%
Refractive Index (20°C)	1.5350 – 1.5380
Specific Gravity (25°C)	1.174 – 1.180
Acidity	≤ 0.2%
Moisture	≤ 0.2%
Heavy Metals	≤ 10 ppm
Appearance	Clear liquid

3. Properties

Methyl Salicylate is an organic ester with a characteristic wintergreen aroma. It is widely used in pharmaceutical preparations, flavors, fragrances, personal care products, and industrial applications.

4. Production Method

Methyl Salicylate is produced through esterification of salicylic acid with methanol under acidic catalytic conditions, followed by purification and distillation.

5. Raw Materials

- Salicylic Acid
- Methanol
- Acid Catalyst

6. Applications

✧ Pharmaceutical Industry

Used in topical analgesic creams, ointments, massage oils, medicated balms, and pain relief formulations.

✧ Flavor & Fragrance Industry

Used in:

- Toothpaste
- Mouthwash
- Candy
- Chewing gum
- Mint flavor formulations
- Perfumes

✧ Personal Care Products

Applied in:

- Shampoo
- Body wash
- Cosmetic fragrance systems

✧ Industrial Applications

Used as:

- Organic synthesis intermediate
- Solvent
- Specialty chemical additive

7. Packaging

Packaging Type	Weight
Plastic Drum	25 KG
Iron Drum	200 KG
IBC Tank	1000 KG

8. Storage & Shelf Life

Store in a cool, dry, and well-ventilated place. Keep container tightly closed and away from heat and direct sunlight.

Shelf Life: 24 months under proper storage conditions.

9. Safety Information

- Avoid contact with skin and eyes.
- Use suitable protective equipment during handling.
- Keep away from oxidizing agents.
- Refer to MSDS for detailed safety information.

