

PRODUCT IDENTIFICATION

**Product Name:** VM&P Naphtha**CAS Number:** 64742-89-8**Molecular Formula:** C₅-C₁₁ Hydrocarbons**Molecular Weight:** 120 g/mol**Grade:** Technical**Purity / Concentration:** Not Available**Synonyms:** Varnish Maker's and Painter's Naphtha, VM Naphtha

PRODUCT OVERVIEW

VM&P Naphtha is a petroleum-derived solvent characterized by its low boiling point and high volatility. It is primarily composed of aliphatic hydrocarbons, making it an effective solvent for various applications in industrial and laboratory settings.

CERTIFICATE OF ANALYSIS — TYPICAL VALUES

PARAMETER	UNIT	TYPICAL	MIN	MAX	TEST METHOD
Assay (wt%)	%	98.5	95	—	GC-FID
Color (APHA)	APHA	10	—	15	ASTM D1209
Specific Gravity (20°C)	g/mL	0.75	—	—	ASTM D4052
Residue After Ignition	%	0.0005	—	0.0010	ASTM D482
Water Content	%	0.01	—	0.05	ASTM D6304
Sulfur	ppm	5	—	10	ASTM D5453

ND = Not Detected. Values are typical and may vary by lot.

PHYSICAL & CHEMICAL PROPERTIES

Appearance	Clear, colorless liquid	Form	Liquid
Boiling Point	146°C (295°F)	Melting / Freezing Point	-60°C
Flash Point	4°C (39°F)	Specific Gravity	0.75
Solubility	Insoluble in water, soluble in organic solvents	Molecular Formula	C ₅ -C ₁₁ Hydrocarbons
Molecular Weight	120 g/mol		

APPLICATIONS

- Industrial** — Used as a solvent in paint formulations to improve flow and application.
- Manufacturing** — Effective for cleaning tools and equipment in various industrial processes.
- Chemical Research** — Utilized in the extraction of organic compounds from mixtures.
- Construction** — Serves as a solvent in adhesive formulations to enhance bonding properties.
- Automotive** — Incorporated into fuels to improve combustion efficiency.

STORAGE & HANDLING

- Store in a cool, well-ventilated area away from heat sources.
- Use containers made of HDPE or glass to prevent chemical reactions.
- Avoid contact with strong oxidizing agents and acids.
- Ensure proper PPE, including gloves and goggles, are worn during handling.
- Keep away from open flames and sparks due to flammability.

AVAILABLE PACKAGING

- 1 Quart
- 1 Gallon
- 5 Gallon
- 15 Gallon
- 55 Gallon
- 275 Gallon
- 330 Gallon

SAFETY SUMMARY (CROSS-REFERENCE TO SDS)

Signal Word: **DANGER**



Hazard Statements:

- H225: Highly flammable liquid and vapor
- H319: Causes serious eye irritation
- H336: May cause drowsiness or dizziness

Emergency Contact: CHEMTEL - 800-255-3924 (24 Hours/Day, 7 Days/Week)

For complete safety information, refer to the Safety Data Sheet (SDS) for this product.

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