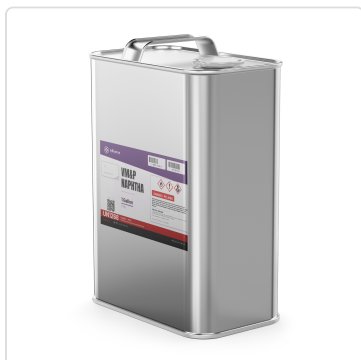


PRODUCT IDENTIFICATION



Product Name: VM&P Naphtha Technical Grade

CAS Number: 64742-89-8

Molecular Formula: C₅-C₁₁ Hydrocarbons

Molecular Weight: 120 g/mol

Grade: Technical Grade

Purity / Concentration: Not Available

Synonyms: Varnish Maker's and Painter's Naphtha, VM Naphtha

PRODUCT OVERVIEW

VM&P Naphtha Technical Grade is a high-purity hydrocarbon solvent characterized by its clear appearance and low residue content of 0.0005%. This versatile chemical is widely utilized in industrial applications requiring consistent evaporation rates and effective solvency, such as paint formulation and equipment cleaning.

Grade Significance: Technical Grade indicates that this product meets high-standard purity requirements for industrial processes, offering a reliable, cost-effective solution without the premium cost of reagent-grade chemicals.

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	15 °C (59 °F), Tag closed cup (ASTM D56)	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

1. **Paint and Coatings** — Acts as a primary solvent to improve the flow and application properties of varnish and paint formulations.
2. **Industrial Maintenance** — Highly effective for degreasing and cleaning industrial tools and machinery due to its fast evaporation rate.
3. **Chemical Processing** — Used in laboratory and industrial settings for the extraction of specific organic compounds from complex mixtures.
4. **Adhesives and Sealants** — Functions as a solvent carrier in adhesive formulations to ensure proper consistency and enhance bonding performance.

STORAGE & HANDLING

Due to its low flash point of 15°C, this solvent is a flammable liquid that must be stored in a cool, well-ventilated area away from heat, sparks, and open flames. Proper containment is critical to prevent the accumulation of flammable vapors and to ensure compliance with stringent fire safety regulations.

- 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: **Warning**



Hazard Statements:

- H226: Flammable liquid and vapor

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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