

PRODUCT IDENTIFICATION



Product Name: Blendpro - Professional Paint Thinning Solution Technical Grade

CAS Number: 64742-95-6

Molecular Formula: Proprietary Blend

Molecular Weight: 106.2 g/mol

Grade: Technical Grade

Purity / Concentration: Not Available

Synonyms: Paint Thinner, Paint Solvent

PRODUCT OVERVIEW

Blendpro is a high-performance Technical Grade paint thinning solution designed for precise viscosity control in industrial coating applications. Featuring a high assay purity of 100.0% and an ultra-low non-volatile residue of 1 mg/100mL, it ensures a clean, consistent finish for professional painting projects.

Grade Significance: Technical Grade indicates that this product is formulated for industrial and commercial use where performance and efficiency are critical, providing an ideal balance between cost-effectiveness and high-purity results.

CERTIFICATE OF ANALYSIS — TYPICAL VALUES

PARAMETER	UNIT	TYPICAL	MIN	MAX	TEST METHOD
Assay Gc Fid	%	100.0	99.5	100.5	GC-FID
Color (APHA)	APHA	3	—	30	ASTM D1209
Specific Gravity (20°C)	g/mL	0.7253	0.689	0.795	Hydrometer @ 20°C
Non Volatile Residue	mg/100mL	1	0	10	ASTM D1353
Sulfate So4	ppm	≤ 10 ppm	—	—	Ion Chromatography
Aromatics	%	0.3	—	1	Per specification
Deg Content	%	ND	0	—	GC
Distillation Range	°C	110.3	109.4	111.7	Per specification
Flash Point	°C	≥ 38 °C	—	—	Per specification
Nitrogen	%	ND	0	—	Per specification

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

PHYSICAL & CHEMICAL PROPERTIES

Appearance	Transparent light-weight solvent liquid	Form	Liquid
Boiling Point	155°C (311°F)	Melting / Freezing Point	-95°C (-139°F)
Flash Point	40°C (104°F)	Specific Gravity	0.825
Solubility	High organic solvent compatibility	Molecular Formula	Proprietary Blend
Molecular Weight	106.2 g/mol		

APPLICATIONS

1. **Industrial Coatings** — Used to adjust paint viscosity to ensure optimal flow, leveling, and professional-grade finish quality during application.
2. **Automotive Refinishing** — Serves as a critical solvent in automotive paint formulations, helping to achieve smooth, durable surfaces on vehicle bodies.
3. **Equipment Maintenance** — Highly effective for cleaning spray guns, brushes, and other painting equipment to prevent residue buildup and extend tool life.
4. **Adhesive Manufacturing** — Used to thin high-viscosity adhesives, allowing for easier application and superior bonding performance on various substrates.

STORAGE & HANDLING

Due to its classification as a highly flammable liquid with a flash point of 40°C, Blendpro must be stored in a cool, well-ventilated area away from ignition sources. Proper containment is essential to prevent the accumulation of vapors, which poses significant safety risks if inhaled or exposed to heat.

- 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 oxidizers and acids.
- Ensure proper PPE is worn, including gloves and goggles, when handling.
- Keep away from direct sunlight to prevent degradation.

AVAILABLE PACKAGING

- 1 Quart
- 1 Gallon
- 5 Gallon
- 55 Gallon

SAFETY SUMMARY (CROSS-REFERENCE TO SDS)

Signal Word: **Danger**



Hazard Statements:

- H225: Highly flammable liquid and vapour
- H304: May be fatal if swallowed and enters airways
- 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.

Alliance Chemical | 204 South Edmond St, Taylor, Texas 76574 | 512-365-6838 | www.alliancechemical.com

Disclaimer: The information contained herein is believed to be accurate and represents the best information currently available to us. However, Alliance Chemical makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.