

LPA® 142 Solvent

Technical Data Sheet



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Description

LPA® 142 Solvent is a high-purity mixture of hydrotreated isoparaffins and naphthenics with very low levels of polynuclear aromatics. It is a clear liquid with a medium flash point and mild odor.

Applications

LPA® 142 Solvent may be used in a wide array of applications. Applications vary widely and include pesticide formulations, consumer products, lubricating oils, chemical process solvents, oilfied drilling fluids, degreasers, lamp oil, metal rolling oils, freeze point depressants, etc.

Regulatory Compliance

If this material is used in a consumer product or in certain other specific applications, some exemptions may apply. Please contact a sales representative for more information on particular FDA regulations or for solvent status as an LVP-VOC for consumer products.

Contact Information

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Physical Properties

Typical physical properties are listed in the table below. Actual properties may vary from lot to lot.

| Typical Properties | Method | LPA® 142 Solvent |
|---|--------------|------------------|
| Distillation Range, °F | | |
| IBP | | 350 |
| 10% | | 380 |
| 90% | ASTM D-86 | 400 |
| 95% | | 404 |
| EP | | 430 |
| Flash Point, (Tag CC) °F | ASTM D-56 | >142 |
| Pour Point, °F | ASTM D-97 | <-94 |
| Specific Gravity 60°F/60°F | ASTM D-287 | 0.800 – 0.820 |
| Density, lbs/gal @ 60°F | ASTM D-287 | 6.71 |
| Average Molecular Weight | API | 156 |
| Aromatic - BTEX, ppm | EPA 8260B | ND* |
| Color, Saybolt Universal | ASTM D-156 | >25 |
| Relative Evaporative Rate (n-Butyl Acetate = 1) | ASTM D-3539 | 0.09 |
| Vapor Pressure, torr @ 20°C | API, calc | 0.34 |
| Viscosity, cSt @20°C | | 1.8 |
| @ 40°C | ASTM D-445 | 1.3 |
| Aniline Point, °F | ASTM D-611 | 154 |
| Kauri-Butanol Value | ASTM D-1133 | 34 |
| Solubility parameters, (MPa) ^{1/2} | Calculated | 16 |
| Bromine Number | ASTM D-1159 | <0.2 |
| Nitrogen, ppm | | <1 |
| Sulfur, ppm | | <1 |
| Water, ppm | Karl-Fischer | <50 |

* - detection limit 36 ppb

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For detailed safety and handling information regarding these products, please refer to the respective Sasol North America Material Safety Data Sheet.

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