

Elevance Clean® 1000

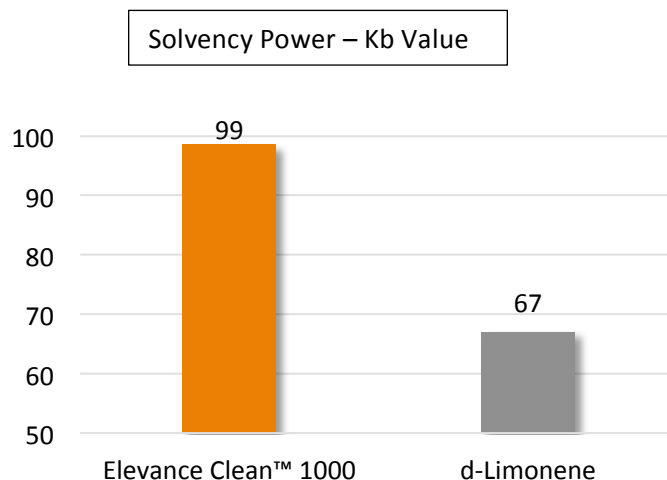
Product description

Elevance Clean® 1000 is a high-performing bio-based cleaning ingredient that easily formulates with d-limonene to reduce d-limonene dependence and provides price and supply stability without impacting performance or esthetics for formulations in asphalt removal and degreasing applications. Elevance Clean® 1000 has been reviewed by EPA's Safer Choice program and qualifies for use in Safer Choice-labeled products. It is also listed in the USDA BioPreferred® catalogue with 84 percent bio-renewable carbon.

Key attributes to Elevance Clean® 1000

- High Kb value that exceeds d-limonene
- Easily formulated into semi-aqueous products, reducing the reliance on additional coupling agents to achieve stable formulations
- Boosts performance when used with d-limonene in formulations for asphalt removal and degreasing
- Performs at equal or better than d-limonene in traditional formulations
- Price stable, large secure supply, and economical versus d-limonene
- Especially targeted for removing industrial greases, asphalt, tar, and bitumen

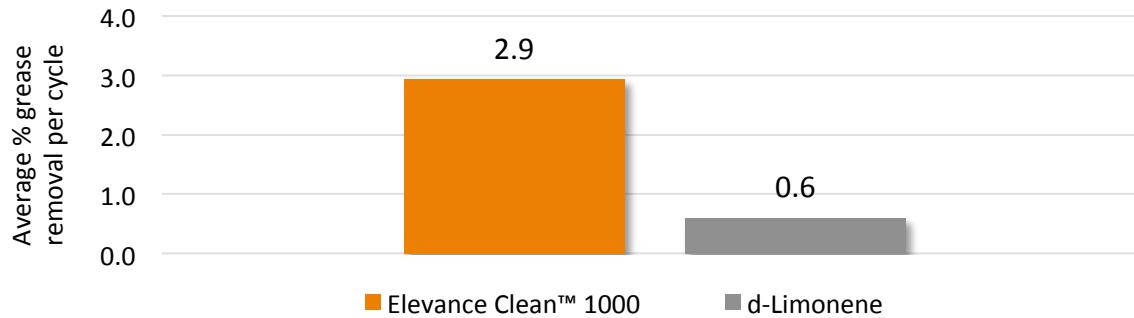
Elevance Clean® 1000 Handling Characteristics	Typical
Vapor pressure, 25°C	< 0.100 mmHg
Flash point, PMCC, °C	102
Boiling Point, °C	235
Melting/Freezing Point, °C	< -20
Viscosity, 25°C, cP	1.45
HSP values, calculated: ¹	
δD , MPa ^{1/2}	16.1
δP , MPa ^{1/2}	3.8
δH , MPa ^{1/2}	4.5
Solubility*	
Water	Insoluble
Methanol, xylenes, terpenes	Soluble



Kauri-butanol value ("Kb value") is an international, standardized measurement of solvent power and is governed by an ASTM standardized test. The result of this test is a scale-less index. A higher Kb value is characteristic of solvent that is more aggressive in its ability to dissolve certain materials.

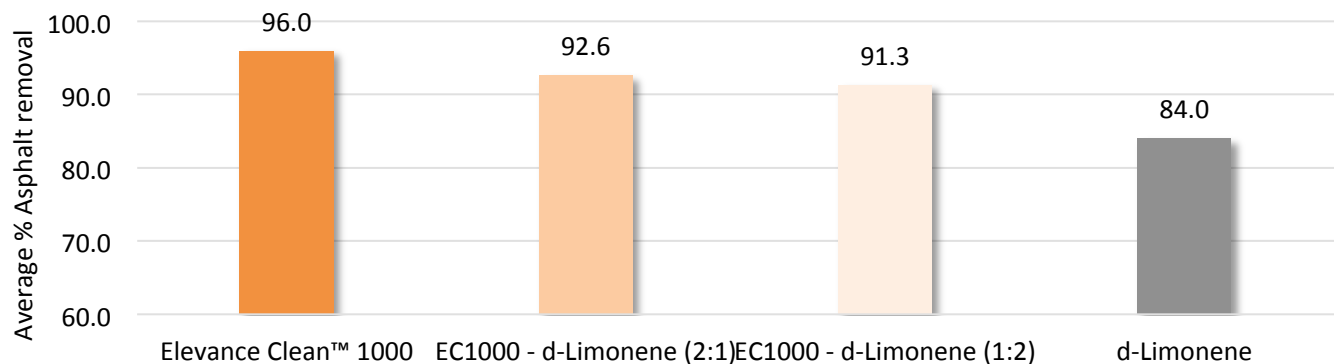
Performance Information

Lithium Complex Grease Removal – Mechanical Cleaning



ASTM D4488-95 (mod) – Testing Cleaning Performance of Products Intended for Use on Resilient Surfaces
Aqueous microemulsion formulation tested: 20% solvent | 35% emulsifiers | 5% coupling agent

Asphalt & Tar Removal



ASTM D4488-95 (mod) – Testing Cleaning Performance of Products Intended for Use on Resilient Surfaces
Non-aqueous formulation tested: 80% solvent | 10% emulsifier | 10% rinse aid

Handling Precautions

Product safety information required for this product is not included herein. Before handling, read material safety data sheet and container label for safe use, physical and health hazard information. The material safety data sheet is available from your local Elevance Renewable Sciences representative or may be available on the Elevance Renewable Sciences website at elevance.com.

Product Shelf-Life

Elevance Clean® 1000 has an indefinite shelf-life if stored in the original container, under inert atmosphere, in the absence of water and oxygen, at temperatures less than 40°C.

* Solubility testing was conducted at 10% and 25% by weight.

¹ Hansen solubility parameters for Elevance Clean® 1000 were calculated using HSPiP 4th Edition 4.1.04.

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