



Jeechem® PAO-HV Series Polydecene / High Purity Cosmetic Hydrocarbons

Jeechem® PAO-HV Series is a product line of pure premium engineered poly-alpha-olefin fluids. These bright and clear versatile fluids are non-irritating, non-comedogenic, and are stable over both low and high pH systems. They function as cosmetic base ingredients and viscosity builders for a wide range of products.

Jeechem® PAO-HV products are polymerized alpha-olefins that accommodate extensive shear at both low and high temperatures without breaking down. They have broad spreadability range and are excellent dispersing agents for pigments, colors, and particulates, making them suitable for color cosmetics, sun care, skincare, and bath preparations.

Jeechem® PAO-HV products feature excellent low temperature properties with high flash points and low volatility. Their strong shear resistance and superb oxidation resistance makes them particularly useful in all types of color cosmetic applications.

These polymerized alpha-olefin hydrocarbons are oil-free luxurious emollients engineered for enhanced multi-functional performance when compared to silicones, mineral oils, petrolatums, basic esters, or polybutenes.



KEY BENEFITS:

- Emollient with good lubricity
- Formula stabilizer
- Oxidation inhibitor
- Increased water resistance
- Soluble in most non-polar solvents
- Non-irritating, non-comedogenic
- Cost-effective
- Versatile, multi-functional ingredient
- Excellent thermal stability
- Photo-stable
- Non-occlusive film-former, prevents moisture loss
- Good compatibility with personal care ingredients

Typical Properties		
	Jeechem® PAO HV-1	Jeechem® PAO HV-2
Appearance	Clear and bright	Clear and bright
Kinematic Viscosity @ 100° C, cst	97 - 115	125 - 145
Kinematic Viscosity @ 40° C, cst	890 - 1080	1200 -1350
Pour point, °C	-20 max.	-20 max.
Flash point, °C	270 min.	270 min.
Specific gravity	0.840 - 0.860	0.840 - 0.860



PRODUCT APPLICATIONS:

- Make-up bases
- Foundations
- Lipsticks
- Mascara
- Concealers
- Nail enamel
- Lotions and creams
- Pressed powders
- Loose powders
- AHA/BHA products
- Suncare/suntan
- Haircare/Relaxers
- Hair styling sprays
- Antiperspirants/Deodorants
- After bath sprays



AESTHETIC BENEFITS:

- Clear and bright
- Non-greasy, dry good feel
- Improves uniformity of color cosmetics
- High refractive index for shine/gloss
- High purity emollient
- Consistent performance in both hot/cold process formulations

Please contact your JEEN Representative or visit our website at www.JEEN.com to learn more about our products, our technologies and how we can help you reduce your carbon footprint and produce a greener product.

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