

Jarcane™

High Purity Alkanes

Jarcane™ high purity alkanes are single cut, linear, plant derived paraffins made from renewable resources. The product range is from 12 - 22 total carbons. Jarcane™ products are colorless, odorless liquids or solids at 20°C. They are 100% based on plant material for environmentally friendly or natural formulation concepts. Jarcanes™ are an excellent choice when looking for a phase change material for latent heat storage applications or as an alternative choice when looking for non-polar solvents, oils, or wax additives. Great for color cosmetics, removing makeup and stains, and replacing silicones & petro chemicals in formulations.

Jarcane™ 12

Dodecane

Very low viscosity and light in nature with excellent spreadability. Can be used as an alternative to Cyclopentasiloxane (D5) without bioaccumulating in aquatic organisms. Can also be used as a natural alternative to isododecane without stripping the skin of all fats and drying it out.

MP -12°C to -9°C Flash Point: 71°C

Jarcane™ 14

Tetradecane

Light and easy spreading nature. Can be used as an alternative for petrochemical-based isoalkanes.

MP 3°C to -6°C Flash Point: 115°C

Jarcane™ 16

Hexadecane

Great for use in dermatology applications or creams and can serve as a non-petro Mineral Oil replacement. It provides shine, lubricity, and emolliency, with a light, oily feel. It is oxidatively stable and derived from all natural, renewable (non-petroleum) resources. Can also be used as an alternative to isohexadecane.

MP 15°C to 18°C Flash Point: 135°C

Jarcane™ 18

Octadecane

The heat of fusion has a cooling effect on the skin

MP 26°C to 29°C

Jarcane™ 20

Eicosane

Solid emollient with hydrophobic properties, and can also be used as a viscosity and texture improver.

MP 34°C to 37°C

Jarcane™ 22

Docosane

When used in combination with Jarcane™ 12, these products can serve as secondary conditioning agents in silicone-free haircare formulations. It is also an alternative choice when looking for non-polar wax additives based on renewable resources for environmentally-friendly or natural formulation concepts. Characterized as hard wax with a low melting point compared to Carnuba Wax.

MP 40°C to 43°C

Did you know?

- Jarchem Jarcane™ 12 is safe to use as alternative to Cyclopentasiloxane (D5)
- Jarcanes™ can replace high molecular weight dimethicones

