

BioJelly

Specification Sheet

Description: Natural, biodegradable elastomer gel with enhanced compatibility with polar materials such as natural oils and organic sunscreens. Translucent gel, viscosity 100,000-300,000cP, non-volatile matter 61-67%. Water-insoluble.

CAS: N/a

INCI Name: Coco-caprylate/caprates, triheptanoin, C9-12 alkane, dilinoleic acid/propanediol/PDI crosspolymer

Benefits:

- Natural silicone substitute with soft moisturizing feel, great emolliency, and luminous appearance
- Offers unique sensory aesthetics and skin feel
- Compatible with natural oils and various polar materials incl. sunscreens
- Stable carrier for active ingredients
- Can be formulated into oil-in-water or water-in-oil emulsions, anhydrous systems, and powders
- Fully biodegradable, COSMOS approved, and USDA BioPreferred (ASTM D6866 C14)

Use: Add to oil phase of all emulsion types. Typical use level: 5-95%. Can also be used pure directly on the skin. For external use only.

Compatibility:

- Dispersible: Glycerin, propylene glycol, octyldodecanol, castor oil, octyl palmitate, butyl lactate, homosalate, avobenzone, triglyceride, most plant oils (except jojoba oil and squalane), cetyl alcohol, stearyl alcohol, natural waxes, paraffin,
- Not dispersible: Water, ethanol, most silicones (e.g. cyclopentasiloxane, dimethicone), isododecane, polybutene, isostearyl palmitate

Storage: Store at room temperature. It is recommended to use glass packaging or co-extruded thick wall polyester, polyethylene terephthalate or phenolic type plastics when applicable. Shelf life is three years.

Applications: Skin care, color cosmetics, body care, sun care, hair care.

Country of Origin: USA

Raw material source: Vegetable oils

Manufacture:

Animal Testing: Not animal tested

GMO: GMO free

Vegan: Does not contain animal-derived components