

## Technical Data Sheet

### Eastman BioSustane™ SAIB

#### Application/Uses

- Dental gels
- Drug carrier
- Film plasticizer/extender in sublingual/buccal films
- Pharmaceutical excipient
- Pharmaceutical topicals
- Transdermal patches

#### Key Attributes

- Amorphous
- Bio-adhesive properties
- Colorless
- Non-polymeric
- Soluble in many organic solvents
- Water insoluble
- Wide compatibility

#### Product Description

Eastman BioSustane™ SAIB, pharma grade (sucrose acetate isobutyrate) is a high viscosity liquid depot for extended drug delivery in enteral, parenteral, and topical applications. It is an odorless, colorless, viscous liquid produced by the controlled esterification of natural sugar (sucrose) with acetic and isobutyric anhydrides and highly purified by distillation.

#### Typical Properties

Property	Typical Value, Units
Molar mass	832-856 g/mol
Density @ 25°C	1.15 g/mL
Flash Point Cleveland Open Cup	260°C (500°F)
Solubility in Water	0.1 wt %
Refractive index, n (40, D)	1.449-1.450
Hydrolysis stability <sup>a</sup>	0.3% wt loss
Viscosity, Brookfield	
@ 30°C	100,00 cP, approx.
@ 100°C	105 cP, approx.

<sup>a</sup> Refluxed in water for 96 hours.

#### Comments

Hazards, ingredients, first aid, firefighting method, accidental release measures, exposure, personal protection, storage / handling, physical and chemical properties are all on SDS.

Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

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