



SUSTANE

SAIB ET-10

Sustane SAIB ET-10 Food Grade, Kosher
(Sucrose Acetate Isobutyrate/Ethyl Alcohol)

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***Sustane* SAIB ET-10 Food-Grade, Kosher (Sucrose Acetate Isobutyrate/ Ethyl Alcohol)**

Sustane SAIB Food Grade, Kosher (sucrose acetate isobutyrate) is a density-adjusting agent used in beverages that contain essential flavoring oils. *Sustane* SAIB ET-10 Food Grade, Kosher, is a low viscosity blend of *Sustane* SAIB and 10% undenatured food-grade ethanol. The low viscosity of *Sustane* SAIB ET-10 provides a pourable liquid that can be added directly to the flavoring oils without heating. In a beverage emulsion, the concentration of *Sustane* SAIB ET-10 is typically 5%—10%. The emulsion is then diluted to give a finished beverage with 300 ppm or less SAIB and usually less than 25 ppm ethyl alcohol. The level of ethyl alcohol attributed by *Sustane* SAIB ET-10 has no technical effect in the final beverage.

Typical Properties

Property	Typical Value, Units
Form @ 25°C	Pourable liquid
Ethyl alcohol	9-11%
Density @ 25°C	1.1 g/cm ³
Flash point, Setaflash closed cup	28°C (82°F)
Viscosity @ 25°C	1,000 cP, approx.
Acid number (mg KOH/g)	0.2 max.
Color Pt-Co	200 max.

Applications

Sustane SAIB ET-10 Food Grade, Kosher can be used in cloudy beverages as a density-adjusting agent to prevent the flavoring oil from forming a ring in the finished beverage. It can be used as a replacement for or in combination with brominated vegetable oil (BVO) or glyceryl esters of wood rosin (ester gum). *Sustane* SAIB ET-10 has many advantages over BVO and ester gum including easy handling, low flavor, and wide regulatory approvals.

Packaging

Sustane SAIB ET-10 Food Grade, Kosher is packaged in 208 liter (55-gallon U.S., 45.8-gallon U.K.) closed-head steel drums. The drums have one 51-mm (2-in.) diameter opening and one 19-mm (3/4-in.) diameter opening on top with no side openings. The net weight of each drum is 215.5 kg (475 lb). According to information provided by our drum supplier, the drums have been treated with linings that may lawfully be used in contact with foods.

Storage and Handling

Sustane SAIB ET-10 Food Grade, Kosher contains a volatile, flammable liquid (ethyl alcohol) and should be handled accordingly. Storage in a cool dry warehouse is recommended. This material must be kept away from heat sources, sparks, and flames. Refer to the Material Safety Data Sheet (MSDS) for further information.

Regulatory Status

Sucrose acetate isobutyrate is specifically permitted for use in beverages under the food laws of many countries. *Sustane* SAIB ET-10 Food Grade may also be used in many of these countries if ethyl alcohol is permitted. Prospective SAIB ET-10 users should consult appropriate regulatory agencies in their countries concerning the use of SAIB ET-10 in their applications.

United States Food and Drug Administration Regulation 21 CFR 172.833 allows for sucrose acetate isobutyrate (SAIB) as a stabilizer of emulsions of flavoring oils in nonalcoholic beverages. The total SAIB content of a beverage may not exceed 300 milligrams/kilogram of the finished beverage. In addition, GRAS Notice No. GRN 104 allows for use of SAIB as a stabilizer of emulsions of flavoring oils used in alcoholic beverages as premixed liquid or solid cocktail products, malt beverage coolers including flavored products containing beer and alcoholic “cooler beverages” or wine coolers at a level not to exceed 300 milligrams/kilogram (www.cfsan.fda.gov/~rdb/opa-g104.html).

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Material Safety Data Sheets providing safety precautions that should be observed in handling and storing Eastman products are available online or on request. You should obtain and review the available material safety information before handling any of these products. If any materials mentioned are not Eastman products, appropriate industrial hygiene and other safety precautions recommended by their manufacturers should be observed.

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