



Product Specifications

Epoxidized Soybean Oil (ESBO) is finely produced from high quality natural raw materials and has passed the toxicity tests of Disease Control Center, Shanghai Food and Drug Administration and SGS.

Properties:

Appearance: Light yellow sticky oily liquid

HS code: 15180000

Molecular formula: C₅₇H₁₀₆O₁₀

Fluid point: -3℃,

Viscosity: 325mpa.s,

Solubility in water : < 0.01% (25℃)

CAS No.: 8013-07-8

Molecular weight: about 1000

Boiling point: 150℃ (0.5Kpa),

Refractive Index: 1.472 (25℃)

Solubility of water: 0.55% (25℃)



It is soluble in hydrocarbon compounds, ketones, esters, higher grade alcohols and other organic solvents, slightly soluble in ethanol as well.

It is the most widely used PVC nontoxic plasticizer and stabilizer. It is particularly consistent with PVC and has low volatility and mobility. Its high thermal stability, light stability and good resistance to water and oil endow the products with better mechanical strength, weather resisting property and electrical property. Its non-toxicity makes it the internationally acknowledged chemical aid for foodstuff wrapper. It can be applied to all PVC products, such as, foodstuff wrapper, medical ware, pellicle, sheet material, tubular goods, sealing plate of icebox, artificial leather, floor leather, wire and cable material, plastic wallpaper and other daily use plastic products. It can also be applied to making special printing ink, oil paint, coating material, synthetic rubber, and liquid compound stabilizer and so on.

Standard:

Standard Item	Normal Grade
Color Shade, (Pt- Co) max	170
Density (20℃) g /cm ³	0.988~0.998
Acidity, mg KOH/g max	0.50
Flashing Point °C min	280
Moisture % max	0.2
Iodine Value % max	5.0
Epoxy Value, % min ASTMD1652-04	6.6