

ACTISOYA® ESBO

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Product Description

ACTISOYA® ESBO (Epoxidized Soybean Oil), also known as **ESBO**, is a pale-yellow clear liquid that is manufactured from soybean oil. It is compatible to use in a variety of materials including PVC, PVA and chlorinated rubber.

ACTISOYA® ESBO is non-toxic and environmentally friendly.

ACTISOYA® ESBO (Epoxidized Soybean Oil) is an excellent co-plasticizer and secondary heat and light stabilizer in the production of PVC and its copolymers. It is used as an acid scavenger in the production of flexible PVC. It can be used as a pigment dispersing agent, chemical intermediate, lubricant, and in functional fluids, coatings and adhesives.

Typical Applications



Wrap Films



Shoes



Cables



Fittings

Physical Properties

Chemical Composition	Epoxidized Soybean Oil	Acid Value	max. 0.5
Appearance	Little Yellowish Oily Liquid	Iodine value (g I₂ / 100g)	max. 3.5
Complete Freezing	max. - 8 °C	Oxirane Index w%	6 - 7
Density @ 25°C	0.950 ± 0.05 Kg/L (STEEL PYCNOMETER 100 CC)	Viscosity @ 25°C	250 ± 50 sec (FORD CUP 4)

Dosage

ACTISOYA® ESBO dosage is 2-10 PHR; Special formulations: up to 30 PHR

Advantages

- Soluble in hydrocarbons, ketones, esters, alcohols and other organic solvents, slightly soluble in ethanol.
- ESBO and PVC resin has good compatibility, low volatility and mobility.
- ESBO has the advantages of good thermal stability and light stability, water resistance and oil resistance is excellent, with good mechanical strength, weather resistance and electrical properties, and no toxicity

Safe Handling Information

Use chemicals safely. Always read the label and MSDS before use.

Storage

Stable under normal conditions of storage down to 5°C.

Packaging



200 kg
Drums



1000 kg
IBC Tank

Shelf Life | 24 Months