

Product Information

Epoxidized Soybean Oil (ESBO)

Product Description:

Epoxidized Soybean Oil, also known as ESBO, is a pale-yellow clear liquid that is manufactured from soybean oil that has undergone epoxidation. It is compatible to use in a variety of materials including PVC, PVA, nitrocellulose and chlorinated rubber. It is non-toxic and environmentally friendly.

Applications:

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. Epoxidized Soybean Oil can be used as a pigment dispersing agent, chemical intermediate, lubricant, and in functional fluids, coatings and adhesives.

CAS No. :

8013-07-8

Specifications:

Parameters (units)	Specifications
Appearance	Pale yellow clear liquid
Specific gravity, at 27 °C	0.998 ± 0.002
Viscosity, Ford Cup B4 at 27 °C (sec)	130 ± 5
Oxirane oxygen (%)	6.5 ± 0.1
Iodine value (mg I ₂ /g)	≤ 3
Acid value (mg NaOH/g)	0.8 ± 0.1
Moisture and volatiles (%)	≤ 0.1
Loss on drying at 130 °C for 3 hours (%)	≤ 0.2
Refractive index	1.470 - 1.475

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Packaging:

Material is available in 200 kg plastic drums. Further packaging options may be available upon enquiry.

Storage:

Product should be stored in a dry place away from direct sunlight in sealed, original packaging.

Safety:

For further safety information refer to product SDS available from your Bisley International contact.

Disclaimer: This document is for information purpose only. Customers are responsible for testing and conforming the suitability of this product in their application. To the extent permitted by law, no warranty as to merchantability or fitness of purpose, expressed or implied, is made.

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