

Epoxidized Soybean Oil

CAS No.	EINECS No.	UN No.	Molecular Formula / Product Type
8013-07-8	232-391-0	Not assigned in stated reference	UVCB epoxidized vegetable oil

Product Description

Epoxidized soybean oil is a variable-composition epoxidized triglyceride material. It is used in PVC formulations as a secondary plasticizer and acid scavenger.

Specifications

Parameter	Specification
Appearance	Pale-yellow oily liquid
Epoxide value	≥6 %
Density at 20°C	0.985–0.995 g/cm³
Acid value	≤0.5 mg KOH/g
Color, Pt-Co	≤180
Flash point, open cup	≥290 °C
Heat loss	≤0.5 %

Applications

- Flexible PVC: Evaluate secondary plasticization and compatibility in flexible PVC compounds.
- PVC stabilization: Assess acid-scavenging behavior alongside the intended primary stabilizer system.
- Technical coatings: Compare the oil in qualified pigment-dispersion or coating-development systems.

Packaging and Storage

Packaging	200 kg iron drums.
Storage	Keep tightly closed in a cool, ventilated place protected from sunlight and excessive heat. Use compatible containers and prevent contamination. Avoid strong acids, bases and oxidizers.

Safety and Regulatory

Professional-use technical information. Review the corresponding reference SDS, workplace controls and destination-market requirements. Transport entries apply to the reference identity, form and concentration.

Company Contact

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The information is provided in good faith for professional evaluation. Specifications apply to the stated commercial grade; users must confirm suitability, regulatory compliance and safe handling for their intended application.