



VIKAS ECOTECH LTD.

(Formerly Vikas GlobalOne Ltd.)

ADDFLEX EPOXIDIZED SOYABEAN OIL (PLASTICIZER & CO-STABILIZER)

Product Description

ADDFLEX, an Epoxidized Soyabean Oil, is a High Oxirane Content, Efficient & Compatible Vinyl Additive which essentially functions similar to a polymeric type plasticizer by imparting flexibility and controlling migration due to its high molecular weight. It is also a synergetic, heat & light stabilizing additive that compliments the conventional Metallic Stabilizer systems, facilitating superior processing ability and cost reduction.

Characteristics & Usages

ADDFLEX is recommended particularly for formulations such as ;

- Efficient Plasticization of all flexible & semi flexible PVC Compounds & Emulsions.
- Supplementing Heat & Light stabilization of Rigid, Semi Rigid & Flexible PVC Compounds.
- Heat Stabilization of CPW plasticizers during the manufacturing process.
- Plasticization of Neoprene, Nitrocellulose and Chlorinated Rubber.
- Facilitating homogenous pigment dispersions.
- Better Processability & Output in rigid PVC Compounds.
- Improving Oil & Gas Resistivity.

CAS No.

8013-07-8

Physical & Chemical Properties

PARTICULARS	UNIT	ESO 603	ESO 601	Testing Procedure
		STANDARD	STANDARD	
Appearance		Clear Pale Yellow Liquid	Clear Pale Yellow Liquid	Visual
Color	Gardner	2 Max	2 Max	By Comparator
Odour		Mild	Mild	Olfactory
Oxirane Oxygen	%	6.5 ± 0.1	6.2 ± 0.1	ASTM D 1652-73
Acid Value	mg KOH/g	1.0 Max	1.0 Max.	IS 548
Iodine Value	gI ₂ /100g	2.5 ± 1.0 Max	4.0 ± 1.0 Max	Wij's method
Viscosity at 25°C	cSt	450 - 500 Max	450 - 500 Max	Ostwalt Viscometer (U tube)
Specific Gravity at 20°C		0.985 ~ 0.995	0.980 ~ 0.990	Hydrometer
Moisture Content at 105°C	%	0.15 Max	0.15 Max	Moisture Analyzer
Refractive Index at 25°C		1.471 - 1.475	1.471 - 1.475	Refractometer
Flash Point	°C	305 Min.	295 min	Flash Point Apparatus (Pensky Marten)

Packaging

- Standard Packaging : 200Kgs Nett Weight Drums.
- Specific Packaging options can be arranged as per customer's requirement

Safety & Environmental Information

- May burn at exposures to direct flame / very high temperatures.
- Extinguishing media: water / Carbondioxide foam.
- Avoid contact with skin : may cause irritation and / or skin allergy, wear gloves, avoid spillage.
- Avoid contact with eyes: may cause irritation, wear protective safety glasses.
- Avoid inhaling: may cause nausea & vomiting.

Handling & Storage Information

- Indoor storage is recommended. Store in cool, dry, ventilated place.
- Stainless steel / epoxy coated mild steel is recommended.
- May freeze at 0°C, store at ≥ 10 °C .
- Should be handled with normal precautions for liquids. Refer to the MSDS for safety and health information.