

## Di (monoepoxyoleate, monoacetate) glyceryl adipate HM-828EC

**HM-828EC** is with vegetable oil as raw material, followed by ester exchange, high temperature esterification, acetylation and epoxidation step to synthesize a kind of functional environmental protection plasticizer, which is used as main plasticizer.

Appearance	Perusal	Clear oily yellowish liquid
Color and luster(Pt-Co) ≤	GB/T 1664-1995	150
Acid value (KOH)/(mg/g)≤	GB/T 1668-2008	2
Iodine value/% ≤	GB/T 1676-2008	5
Epoxy value/% ≥	GB/T 1677-2008	3.5
	ASTM D 1652-04	4.1
Relative density (20°C)/(g/cm <sup>3</sup> )	GB/T 4472-2011	0.9900 ~ 1.0500
Flash point /°C≥	GB/T 1671-2008	250
Moisture (Weight)/%≤	C20 Karl Fischer Moisture Analyzer	0.2
Residual ratio of extraction in IRM 902 fuel oil ≥	Oil extraction resistance (ASTM-IRM 902 Fuel Oil) (100°C in 96 hours)	65

**Characteristics:** good compatibility with PVC resin, excellent performances in migration, extraction, ageing, heat and oil resistance.

**Usage:** It is used for high performance film, sheet, wire&cable sheath and charging pile, etc..

**Package:** 200kg/ iron drum, 1000kg/ IBC, flexitank.

**Remarks:** Freezing point is 5~10°C. If it's frozen, heat it to 25°C and it can return to normal condition without affecting quality.

