

EPME 18- New Kind Of Plasticizer

EPME 18 is an eco-friendly non-toxic plasticizer & stabilizer for PVC and other polymers/resins with better performance and low cost eco-alternative.

At normal temperature, the product is light yellow oily liquid which is made of plants oil. Soluble in esters, it is new nonpoisonous epoxide plasticizer and stabilizing agent of polyvinyl chloride (PVC). It has low volatility and little mobility and it won't react in heat or light. It can efficiently replace Dioctyl-Phthalate (DOP) in PVC or dibutyl phthalate (DBP). If 20 to 30 shares of the product is used, it can make the products have good mechanical strength, resistance to elements and electrical property.

It is a new Epoxidized rubber-plastic auxiliaries, it has lower price and better quality than Epoxidized Soybean Oil .

Technical Specification:-

SR. NO.	PARTICULARS	TESTED RESULTS
1	EPOXY VALUE %	>= 40%
2	COLOR SHADE(apha)	<= 150
3	DENSITY(@20 DEG CEL)	91.5
4	ACIDITY	<= 0.5
5	FLASH POINT	170 DEG. CEL.
6	LOSS ON HEAT %	0.5

Function:-

This products has good dissolvability with polyvinyl chloride(PVC), epoxiden, polyurethane, polyacrylaten, polymethactylaten, polysulfiden, synthetic & natural rubber, PU. This product has good dissolvability, mechanical, machining and tolerance of pollution are better than DOP, it is a newly plasticizer which is cheap in price and excellent in quality.

In PVC products it acts as a stabiliser and plasticizer. The epoxide ring helps to decelarate the microbial degradation process of PVC which liberates acid(HCL). The acid is trapped and becomes inactive. A better epoxidise value helps in increasing this stabilising activity.

Advantages:-

- Contains no benzene or other aromatic compounds.
- Resistant to temperature & water
- Biologically degradable.
- Non-toxic, ECO-FRIENDLY.
- In accidents it doesn't endanger ground or ground water.
- High Flash point.
- Free of sulphur.
- Cheaper than DOP, DBP & EPOXIDISED SOYABEAN OIL.

Usage Criteria:-

It can be used in all of the plastic products (PVC) such as all kinds of food package materials, leatheroid, medical products, different kinds of films, plastic wallpaper and other plastic products for everyday use, especially performances well in PVC films and leatheroid. What's more, it can be widely used in electronic wires and cables, sheet material, tube and pipe, plastic rain boot and weather strip of the refrigerator, etc.

EPME 18 has excellent plasticizing properties, better dissolvability, it is safe to use and moreover, products made with EPME 18 has good flexibility. It is cheaper than DOP, DBP and replaces these products completely or partially in the PVC formulation. It can be use 15-50% in PVC formulation. So, it helps in reducing cost and increase competitiveness in the market.

Packing:

Packed in iron drum 20, 50 & 200kg/drum.

FOR INDUSTRIAL USE ONLY

KEEP OUT OF REACH OF CHILDREN

NOT FOR INTERNAL CONSUMPTION.

KEEP CONTAINER TIGHTLY CLOSED.

CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION.

LIMITED WARRANTY

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REGD. OFFICE:- B-202, ANMOL TOWERS, SHAHIBAUG, AHMEDABAD.

PH:- +91 79 22871501, +91 79 22861433

FAX:- +91 79 22877092

MOB:- +91 9879459042

E-MAIL:- siddharth@hi-green.com & higreen.bioenergy@gmail.com

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