



## Product Specifications

### EPOXY FATTY ACIDS METHYL ESTER (J109)

#### Product Introduction

**J109** is a eco-friendly plasticizer based on plant oil. The environmental protection efficiency analysis shows that J109 has the lowest impact on the environment throughout its service life. The SGS reports show that J109 does not contain phthalates like DEHP, DIDP, DNOP, DINP, BBP, DBP(6P), nor PAHs. It could be exported to EU market since it meets the EU plasticizer standard 2005/84/EC. This product has good compatibility and is suitable for the main plasticizer of polyvinyl chloride (PVC), polyvinyl acetate, etc. With good heat and light stability, good compatibility, machinability, processability and pollution resistance, J109 can partially substitute primary plasticizer.

#### Technical Indicator:

Standard Item	Quality Index	Test Method
Appearance	light yellow oily liquid	By eye
Color Shade, (Pt- Co ) #	20 max	GBT1664-1994
Flashing Point (open cup) °C	170 min	GBT1671-2008
Acidity , mg KOH/g	0.50 max	GBT1668-2008
Moisture Content %	0.2 max	GBT1669-2001
Density ( 20°C) g /cm <sup>3</sup>	0.909~0.929	GBT4472-2011
Epoxy Value, %	3.6 ~ 4.2	GBT1677-2008
Iodine Value, %	5.0 max	GBT1676-2008

**Application:** J109 can be applied to kinds of plastic films, rubber and plastic articles, heat-shrinkable tubing, foam sheet, pipes, shoe materials, calendaring film, printing film, artificial leather, etc.

With high plasticizing efficiency, good compatibility and safety, J109 can partially substitute primary plasticizer in all kinds of PVC formula.

**Package:** 190kgs net / iron drum  
950kgs net / IBC  
21.5mt net / flexitank