



# Vikoflex® Products

## Epoxidized Soybean and Linseed Fatty Acid Esters

### PRODUCT DESCRIPTION

Our Vikoflex® line consists of epoxidized soybean fatty acid esters, the 7000 series, and epoxidized linseed fatty acid esters, the 9000 series.

Vikoflex® epoxidized soybean and linseed fatty acid ester products are TSCA-registered and appear on many international registries.

Please consult the MSDS for updated, detailed safety and health information.

### APPLICATIONS

Vikoflex® epoxidized soybean and linseed fatty acid ester products are used in applications such as PVC plasticization, stabilization, and acid scavenging.

As plasticizers, Vikoflex® epoxidized soybean and linseed fatty acid ester improves low temperature properties of flexible PVC.

Additional Vikoflex® epoxidized soybean and linseed fatty acid ester applications include: intermediates for lube and fuel oil additives, surfactants, and components of specialty coating formulations.

Vikoflex® epoxidized soybean and linseed fatty acid ester products find use as reactive diluents in cationic and UV cure applications.

### PHYSICAN AND CHEMICAL PROPERTIES

	Vikoflex® 7010	Vikoflex® 7040	Vikoflex® 7080 (4050)
CAS Number	68082-35-9	71302-80-2	68082-34-8
Freezing Point °F	< 15° F	< 15° F	< 15° F
Spec. Gravity	0.954	0.936	0.927
Viscosity (CS, 25 max)	80	80	80
% Oxirane	7.0	6.3	5.3
Iodine Value	3.0 Max	3.0 Max	3.0 Max
Acid Value (mg KOH/gm)	2.0 Max	2.0 Max	2.0 Max
Color APHA	175 Max	175 Max	175 Max
Appearance	Clear Liquid, Pale Yellow	Clear Liquid, Pale Yellow	Clear Liquid, Pale Yellow
Odor	Bland	Bland	Bland
	Vikoflex® 9010	Vikoflex® 9040	Vikoflex® 9080
CAS Number	70983-82-3	68991-46-8	71302-79-9
Freezing Point °F	< 15° F	< 15° F	< 15° F
Spec. Gravity	0.991	0.996	0.962
Viscosity (CS, 25 max)	80	80	80
% Oxirane	9.0	8.0	7.0
Iodine Value	3.0 Max	3.0 Max	3.0 Max
Acid Value (mg KOH/gm)	2.0 Max	2.0 Max	2.0 Max
Color APHA	175 Max	175 Max	175 Max
Appearance	Clear Liquid, Pale Yellow	Clear Liquid, Pale Yellow	Clear Liquid, Pale Yellow
Odor	Bland	Bland	Bland

## ENVIRONMENTAL AND SAFETY INFORMATION

BEFORE HANDLING THIS MATERIAL, READ AND UNDERSTAND THE MSDS (MATERIAL SAFETY DATA SHEET) / SDS (SAFETY DATA SHEET) FOR ADDITIONAL INFORMATION ON SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION.

The MSDS/SDS are available on our Website [www.arkema.com](http://www.arkema.com) or upon request at our Customer Service Department at +1(800) 331 7654 in the US, and at +33 (0)1 4900 8837 in Europe. Arkema believes strongly in Responsible Care® as a public commitment.

## MORE TECHNICAL INFORMATION AVAILABLE

Ask your Arkema account manager for further information on high quality Arkema additives for use in PVC, PC, PBT, ABS, PLA and other polymer systems. Arkema produces a full line of impact modifiers, processing aids and epoxidized vegetable oils. In addition, Arkema's Technical Service staff is also available to assist compounders and processors with formulation and processing advice.

### Durastrength® Impact Modifiers

Durastrength® acrylic impact modifiers deliver outstanding impact characteristics for outdoor durable applications in PVC and Engineering Resins.

### Plastistrength® Process Aids

Plastistrength® process aids offer producers a complete line of melt strengtheners and metal release agents for PVC and Engineering Resins. Plastistrength® process aids can improve fusion, surging, and aesthetics.

### Clearstrength® Impact Modifiers

Clearstrength® MBS impact modifiers are designed for extreme impact or impact/clarity combination in PVC and Engineering Resins.

### Biostrength® Additives

The Biostrength® product line of impact modifiers, melt strengtheners and metal release agents are designed to improve properties and enhance processability of polylactic acid (PLA) and other biopolymers compounds.

### Vikoflex® Epoxy Plasticizers

The Vikoflex® line of epoxy plasticizers is derived from renewable resources, like epoxidized linseed oil, soybean and tall oil fatty acid esters for applications such as PVC plasticization, acid and mercaptan scavenging, specialty coatings, adhesives & urethanes, reactive diluents, PU flexible foam and intermediates for surfactants and lube & fuel additives.

## FOR MORE INFORMATION CONTACT

Please contact your local account manager or our headquarters:

In Europe:  
ARKEMA  
Functional Additives  
420 Rue d'Estienne d'Orves  
92705 COLOMBES Cedex, France  
Tel: +33 (0)1 4900 8837  
[functionaladditives.internet@arkema.com](mailto:functionaladditives.internet@arkema.com)  
(email)

In US:  
Arkema Inc.  
Functional Additives Customer Service  
900 First Avenue, King of Prussia, PA  
19406-1308  
Tel: +1 (800) 331 7654  
Fax: +1 (800) 205 7064  
[arkema.usph-fa-cs@arkema.com](mailto:arkema.usph-fa-cs@arkema.com) (e-mail)

In Asia:  
Arkema Pte Ltd.  
10, Science Park Road, #01-01A, The Alpha  
Singapore Science Park II, Singapore 117684  
Tel: +65 6419 9199  
[functionaladditives.internet@arkema.com](mailto:functionaladditives.internet@arkema.com)  
(email)

VISIT US AT OUR WEBSITE  
[www.additives-arkema.com](http://www.additives-arkema.com)

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