



Vikolox[®] Epoxidized Alpha Olefins

Providing solutions for increasing performance and sustainability

Arkema's Vikolox[®] products are epoxidized alpha olefins, with carbon chains ranging from C10 to C18.

APPLICATIONS

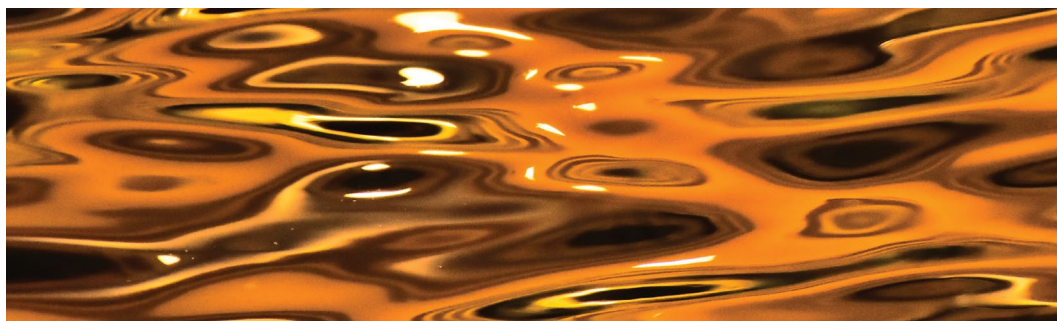
Vikolox[®] epoxidized alpha olefins are used in many different market applications

including lubricants and fuel additives, metal working fluids, surfactants, personal care, specialty coatings and adhesives. They may be used as functional intermediates in the synthesis of surfactants, urethanes, lubricants and thickeners

and as polymer modifiers. Vikolox[®] products can be used as reactive diluents and provide low viscosity, moisture resistance and low halogen content in epoxy, cationic cure and UV cure applications.

PHYSICAL AND CHEMICAL PROPERTIES

	Vikolox [®] 10	Vikolox [®] 12	Vikolox [®] 14	Vikolox [®] 16	Vikolox [®] 18
CAS Number	2404-44-6	2855-19-8	3234-28-4	7320-37-8	7390-81-0
Formula	C ₁₀ H ₂₀ O	C ₁₂ H ₂₄ O	C ₁₄ H ₂₈ O	C ₁₆ H ₃₂ O	C ₁₈ H ₃₆ O
Molecular Weight (g/mol)	156.3	184.3	212.4	240.4	268.5
Boiling Point	210°C (410°F)	215°C (419°F)	246°C (475°F)	314°C (597°F)	>315°C (>600°F)
Melting Point	-27°C (-16°F)	-6°C (21°F)	4°C (40°F)	22°C (71°F)	25°C (78°F)
Acid Value (mg KOH/g)	1.0 Max	1.0 Max	1.0 Max	1.0 Max	1.0 Max
% Oxirane	10.2%	8.6%	7.5%	6.2%	5.7%
Moisture Content (%)	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1



VIKLOX® EPOXIDES

The Vikolox® brand of products from Arkema consists of epoxidized acid scavengers and specialty additives such as Vikolox® 68 and Vikolox® LDO, as well as epoxidized alpha olefins with carbon chains ranging from C10 to C18.

PACKAGING

Vikolox® Epoxidized Alpha Olefins are available in 35 lb. pails, 55-gallon (360-370 lb. net) drums, 40,000 lb. bulk tank trucks and 160,000 lb. min. bulk tank cars.

GEOGRAPHIC AVAILABILITY

All Arkema Epoxide products are currently manufactured in the USA in Blooming Prairie, MN. Please contact us on our website or our customer service email listed below for more specific information on supply to specific geographic area of interest.

HEALTH, ENVIRONMENTAL AND SAFETY INFORMATION

- Before handling this material, read and understand the SDS (safety data sheet) for health, environmental and safety information.
- SDS are available on our website at www.arkemaepoxides.com or upon request at our customer service department.

FOR MORE INFORMATION

Please contact your local account manager or our headquarters:

Arkema Inc.

Oxygénés & Derivatives Customer Service
900 First Avenue
King of Prussia, PA 19406-1308 USA
Tel.: +1 (800) 346-5757
Fax: +1 610-205-7634
Email: arkema.usph-hydrogen-peroxides-cs@arkema.com

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Arkema has implemented a Medical Policy regarding the use of Arkema products in Medical Device applications that are in contact with the body or circulating bodily fluids: (<http://www.arkema.com/en/social-responsibility/responsible-product-management/medical-device-policy/index.html>). Arkema has designated Medical grades to be used for such Medical Device applications. Products that have not been designated as Medical grades are not authorized by Arkema for use in Medical Device applications that are in contact with the body or circulating bodily fluids. In addition, Arkema strictly prohibits the use of any Arkema products in Medical Device applications that are implanted in the body or in contact with bodily fluids or tissues for greater than 30 days. The Arkema trademarks and the Arkema name shall not be used in conjunction with customers' medical devices, including without limitation, permanent or temporary implantable devices, and customers shall not represent to anyone else, that Arkema allows, endorses or permits the use of Arkema products in such medical devices.

It is the sole responsibility of the manufacturer of the medical device to determine the suitability (including biocompatibility) of all raw materials, products and components, including any medical grade Arkema products, in order to ensure that the final end-use product is safe for its end use; performs or functions as intended; and complies with all applicable legal and regulatory requirements (FDA or other national drug agencies). It is the sole responsibility of the manufacturer of the medical device to conduct all necessary tests and inspections and to evaluate the medical device under actual end-use requirements and to adequately advise and warn purchasers, users, and/or learned intermediaries (such as physicians) of pertinent risks and fulfill any postmarket surveillance obligations. Any decision regarding the appropriateness of a particular Arkema material in a particular medical device should be based on the judgment of the manufacturer, seller, the competent authority, and the treating physician.

Vikolox® is a registered trademark of Arkema.

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Arkema Inc.
Oxygénés & Derivatives Customer Service
900 First Avenue
King of Prussia, PA 19406-1308 USA
Tel.: +1 (800) 346-5757
Fax: +1 610-205-7634
Email: arkema.usph-hydrogen-peroxides-cs@arkema.com

ARKEMA
INNOVATIVE CHEMISTRY

For more information, please contact your local account manager or our headquarters:

ARKEMA
Oxygénés & Derivatives Customer Service
420 Rue d'Estienne d'Orves
92705 COLOMBES Cedex, France
Tel.: +33 (0) 1 49 008 080
www.arkema.com/en/markets-and-solutions/contact/