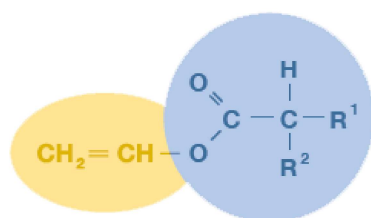


Technical Data Sheet

Veova EH Monomer

Description

Veova™ EH Monomer is the vinyl ester of 2-ethyl hexanoic acid, a synthetic saturated monocarboxylic acid. Its structure may be represented as:



R¹ = 4 carbon atoms
R² = 2 carbon atoms

R¹ and R² are alkyl groups containing respectively 4 and 2 carbon atoms. Veova EH vinyl ester monomer is a very attractive monomer for the manufacture of polymers through reactions of the vinyl group. It imparts a combination of flexibility (low Tg), hydrophobicity, enhanced scrub and water resistance and a good balance between adhesion and cohesion.

Applications

Veova EH Monomer can be used as a modifying co-monomer in the manufacture of vinyl acetate based polymer latices. Veova EH vinyl ester can also be used for the production of Veova EH/(meth)acrylic latices and solution polymers.

Possible examples of Veova EH Monomer based polymer applications are:

1. Decorative emulsion paints, plasters and renders.
2. Industrial paints and coatings such as elastomeric paints, wood coatings and varnishes and coatings for polyolefins.
3. Latices and spray-dried redispersible powders for mortar admixtures.
4. Latices for adhesives including Pressure Sensitive Adhesives and construction adhesives.

Sales Specifications

Property	Value	Unit	Test Method
Acid value	2 max	mg KOH/g	ASTMD1639
Appearance	Clear liquid, free from suspended matter		ASTMD4176
Color	30 max	Pt-Co	ASTMD1209
P-Methoxyphenol Content	6 - 10	mg/kg	LPM3112
Purity	97 min	% (m)	LPM6082
Water Content	0.1 max	% (m)	ASTME203

Typical Properties

Property	Value	Unit
Glass Transition Temperature (Tg) of Homopolymer	-36	°C
Molecular Formula	C10H18O2	
Molecular Mass	170	

Test Methods

ASTM Standards are published by the American Society for Testing and Materials, 100 Barr Harbor Drive, west Conshohocken, PA 19428-2959, USA.

General information about LPM test methods can be obtained upon request from Hexion Europe B.V.

Handling Precautions

For more detailed information on all aspects relating to Health, Safety and Handling, reference should be made to the Safety Data Sheet of VeoVa EH Monomer, which is available from your local Hexion representative or distributor.

Transportation and Storage

Information on transport, storage, suitable materials for tank construction, etc, is available from Hexion, via local representative or distributor.

VeoVa EH Monomers should be stored at ambient temperature (min 5 °C - max 50 °C) in conditions such that moisture is excluded, in the original containers kept tightly closed. Under these conditions the shelf life should be three years starting from the manufactured date.

Contact Information

For contact information about this product, go to www.hexion.com and visit Versatic Derivatives product pages. Here you will have option to choose your region to find a representative in your area.