

Product information

EPODIL[®] 741HP

Reactive Diluent (98%)

DESCRIPTION

Epodil 741HP is a refined grade of butyl glycidyl ether used to reduce the viscosity of epoxy resin systems. It is a monofunctional reactive diluent which provides maximum viscosity reduction with minimum loss of properties. The low viscosity enhances filler substrate and reinforcement wetting properties and Epodil 741HP is therefore particularly useful for the formulation of solvent-free coatings and laminating systems.

TYPICAL PROPERTIES

Property	Value	Unit
Appearance	Clear Liquid	
Color ¹	max 1	Gardner
Viscosity @ 77°F ²	max 2	mPa.s
Specific Gravity @ 77°F	0.93	g/ml
Flash Point (Closed Cup)	58	°C
Equivalent Wt/{Epoxide}	130-133	
Free Water	max 0.15	%
Hydrolyzable Chloride	max 0.1	%
Free Epichlorohydrin	max 10	ppm

ADVANTAGES

- Reduces the crystallization potential of standard epoxy resins
- Steep dilution profile

APPLICATIONS

- Laminates
- Tooling
- Electrical potting compounds
- Flooring, mortars and grouts

SHELF LIFE

At least 36 months from the date of manufacture in the original sealed container at ambient temperature.

STORAGE AND HANDLING

Refer to the Safety Data Sheet for Epodil 741HP reactive diluent.

RECOMMENDED USAGE

Weight Percent ³	Mix Viscosity ² at 25°C
Epodil 741HP	[mPa.s]
5%	2,000
10%	500
15%	350
20%	150

Footnotes:

(1) ASTM D 1544-80

(2) Brookfield RVTD, Spindle 4

(3) With Bisphenol A diglycidyl ether (EEW=190)

Epodil® is a registered trademark of Evonik Industries AG or one of its subsidiaries.

Disclaimer

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.

EVONIK OPERATIONS GMBH

Business Line Crosslinkers
Paul-Baumann-Str. 1
45764 Marl
Germany

www.evonik.com/crosslinkers

Product Information: APCSE@evonik.com

Sample Request: APCSE@evonik.com

EVONIK CORPORATION

Business Line Crosslinkers
7001 Hamilton Boulevard
Trexlerstown, PA 18087
USA

CrosslinkersProinfo@evonik.com

Crosslinkers-Samples@evonik.com

EVONIK SPECIALTY CHEMICALS (SHANGHAI) CO., LTD.

Business Line Crosslinkers
55, Chungong Road
Xinzhuang Industry Park
Shanghai, 201108
China

CL-Asiainfo@evonik.com

CL-Asiainfo@evonik.com

