

# RHEOPEARL

## Oil Thickening Series

- Can Make Transparent and/or Thixotropic Soft/Hard Gel
- Increase the Viscosity of Oils
- Stabilize Emulsion System (W/O)
- Rheological Modifier of Waxes
- 100% Plant Origin



### GENERAL INFORMATION



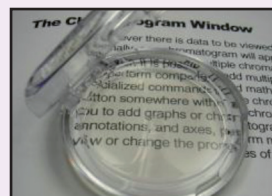
Chiba Flour Milling Co., Ltd.

Miyoshi Europe, as the exclusive distributor of Chiba Flour Milling Co.,Ltd. also offers unique Oil thickening agents from Plants origin, named Rheopearl Series.

Chiba Flour Milling Co.,Ltd. has been synthesizing the Rheopearl Series of products obtained by the esterification of sugars and fatty acids that have been used as an oil gelling agent since the early 1970's in Japan. Together with its gelling properties of various Hydrocarbons, Esters and Triglycerides, the Rheopearl series provides excellent stability in emulsions.

Stable Oil gels can be easily obtained by dissolving Rheopearl at elevated temperatures, and cooled without stirring.

	Rheopearl KL2	Rheopearl MKL2	Rheopearl TT2	Rheopearl ISK2
INCI NAME	Dextrin Palmitate	Dextrin Myristate	Dextrin Palmitate/Ethylhexanoate	Stearoyl Inulin
KIND OF GEL	Transparent Gel	Ultimate transparent gel	Transparent & thixotropic Gel	White hard gel
COMPATIBLE OILS	Hydrocarbons, Esters, Triglycerides, Isoparaffins, etc...			Cyclomethicone Hydrocarbons Esters, etc...
NOI	1	1	0.75	1
RHEOLOGICAL MODIFICATION OF WAX	Soften			Harden
DISSOLUTION TEMPERATURE	Around 90°C			around 70-80°C
ORIGIN	<b>Dextrin</b> : Cassava <b>Palmitic acid</b> : Palm and/or Coconut	<b>Dextrin</b> : Cassava <b>Myristic acid</b> : Palm and/or Coconut	<b>Dextrin</b> : Cassava <b>Palmitic acid</b> : Palm and/or Coconut <b>Ethylhexanoic acid</b> : Petroleum	<b>Inulin</b> : chicory roots <b>Stearic Acid</b> : Rape seed



# UNIFILMA HVY

## Super Film Former

- Excellent Adhesiveness to Skin and Hair
- Quick Film-Forming
- Forms a Soft and Flexible Film
- Plant-Origin Film Forming Agent
- Compatible with a Large Range of Oils



COSMOS  
APPROVED

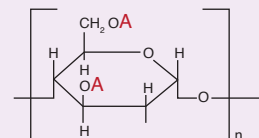
### GENERAL INFORMATION



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Unifilma HVY is a plant-origin film forming agent which has unique characteristics. Compared to other film-forming agents, Unifilma HVY shows various benefits, especially the flexibility and the shape retention of film formed. Due to its high affinity with the keratin, it's a good help for haircare & mascara product. The film formed can provide WATERPROOF properties for O/W formulation.

**INCI NAME : Dextrin Isostearate**



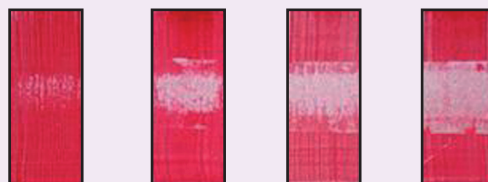
A : Isostearoyl group or Hydrogen  
n : Degree of Polymerization

### USED IN MASCARA



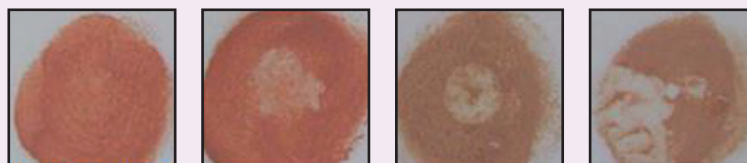
Unifilma HVY adheres to the eyelash easily, and forms the film very quickly

### USED IN GLOSS



Unifilma HVY prevents peelability of film, and color transfer

### USED IN O/W FOUNDATION



Unifilma  
HVY

Blank

Conventional O/W  
Foundation A

Conventional O/W  
Foundation B

Waterproof sunscreens and O/W foundations are available

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