

DERMOTHIX™ 75 Liquid

A Versatile Polyurethane Rheology Modifier and Viscosity Builder

INCI Name: Disteareth-75 IPDI (and) Glycereth-7 Caprylate/Caprata (and) Water

For Aqueous Solutions and Surfactant Systems

Features

- Nonionic
- Clear Viscous Liquid
- Water Dispersible
- Compatible with Anionics, Nonionics and Cationics
- Broad pH and Thermal Stability
- Foam Stabilizer
- Fragrance Solubilizer
- 0.5% to 5.0% Recommended Usage



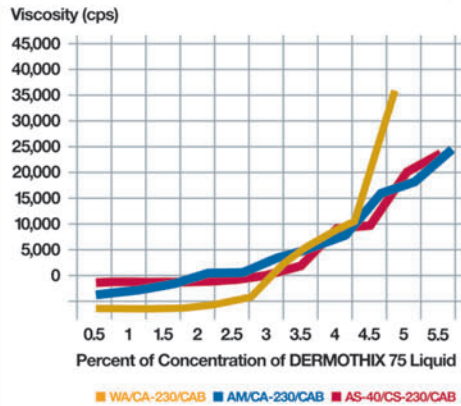
What makes DERMOTHIX 75 Liquid unique?

DERMOTHIX 75 Liquid is an effective way to adjust a product's final viscosity

DERMOTHIX 75 Liquid

- Can be added at RT
- Stirs right in, no heating necessary
- Just add and mix to desired thickness
- Provides a smooth consistency, no clumping
- Excellent vehicle for post adding fragrances and other temperature sensitive ingredients

Effects of DERMOTHIX 75 Liquid on Viscosity



Polymeric Shampoo PS2-022

Product Name	INCI Name	W/W%
RO Water	Water	69.00
Edeta BD	Disodium EDTA	0.10
Citric Acid	Citric Acid	0.10
Foamtaine CAB	Cocamidopropyl Betaine	6.00
Amphosol CS-50	Cocamidopropyl Hydroxysultaine	6.00
Mackanate EL	Disodium Laureth Sulfosuccinate	10.00
Plantaren 1300	Lauryl Glucoside	5.00
Polydem SA-15	IPDI/PEG-15 Soyamine	0.25
Polydem PPI-SI-WS	Bis-PEG-15 Dimethicone IPDI	0.25
DERMOTHIX 75	Disteareth-75 IPDI	2.00
DERMOTHIX 75 Liquid	Disteareth-75 IPDI (and) Glycereth-7 Caprylate/Caprata (and) Water	0.50
Fragrance	Fragrance	0.50
Microcare MTI	Methylisothiazolinone (and) Iodopropynyl butylcarbamate	0.30
TOTAL		100.00

Sulfate Free Shower Gel JC4-35

Product Name	INCI Name	W/W%
RO Water	Water	66.45
Hamposyl L-30	Sodium Lauroyl Sarcosinate	17.00
Tauranol I-78	Sodium Cocoyl Isethionate	5.00
Lathanol LAL	Sodium Lauryl Sulfoacetate	5.00
Glycerin	Glycerin	2.00
Propylene Glycol	Propylene Glycol	0.50
Microcare MTI	Methylisothiazolinone (and) Iodopropynyl butylcarbamate	0.30
DERMOTHIX 75 Liquid	Disteareth-75 IPDI (and) Glycereth-7 Caprylate/Caprata (and) Water	3.25
Fragrance	Fragrance	0.50
TOTAL		100.00



DERMOTHIX 75 Liquid means

VISCOSITY

- The more you need the more you pour

SIMPLICITY

- Easy liquid to liquid mix and pour

CONSISTENCY

- A perfect batch to batch rheology and viscosity fix



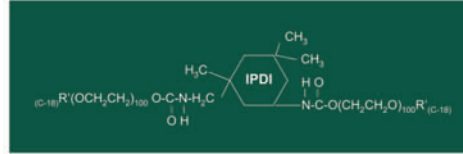
DERMOTHIX™ 75 and DERMOTHIX™ 100

Solid Solutions for Viscosity Control

FEATURES

- Polyurethane Polymers
- Broad pH Effectiveness
- Unique Rheology and Texture
- Chemical & Thermal Stability
- Exceptional Emulsification
- Solubilizing and Coupling
- Ease of Use

Structure

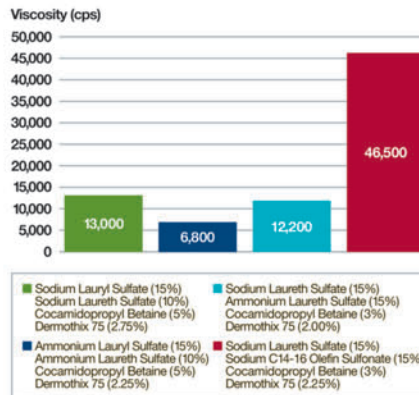


Viscosity Builder for Surfactant Systems DERMOTHIX 75

- INCI Name: Disteareth-75 IPDI
- Unique o/w Emulsifier
- Water Dispersible Flake
- 100% Active
- Forms Clear to Hazy Solutions
- Soluble in Anionics, Nonionics and Cationics



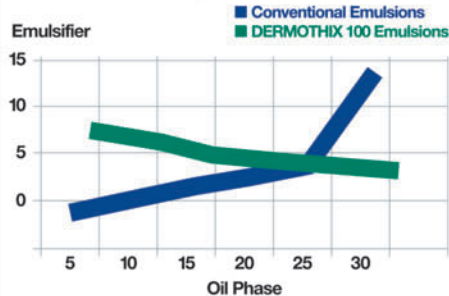
Thickening Effects of DERMOTHIX 75 on Common Shampoo Systems



Viscosity Builder for Aqueous Systems DERMOTHIX 100

- INCI Name: Disteareth-100 IPDI
- Water Soluble Flake
- Nonionic
- Clear Viscous Solutions
- Soluble in Anionics, Nonionics and Cationics
- Pigment Suspension
- Stable High Internal Phase o/w Emulsifier

Percentage of Emulsifier Versus Percentage of Oil Phase



APPLICATIONS

- Shampoos
- Conditioners
- Sulfate Free Products
- Bath and Shower Gels
- Creams and Lotions
- Make-Up
- Sun Care Formulations

Thickener Comparison

	Dermothix	Carbomer	Hydroxyethyl-cellulose	Ethoxylated Esters
Viscosity Building	X	X	X	X
Gel Clarity	X	X	X	X
Surfactant Compatibility	X	Limited	Limited	
Emulsification	X			Limited
Broad pH Stability	X			
Salt Tolerance	X		X	X
Rheology	Dilatant	Thixotropic	Thixotropic	Dilatant