International Inc.

Polyderm

Polyurethane "Conditioners" for Personal Care

Polymeric Triglycerides and Polymeric Hydroxyesters

Polvderm PPI-CO

Castor Oil/IPDI Copolymer

Adds shine, extended wear, water resistance, pigment dispersing for color cosmetics

Polyderm PPI-CO-40

PEG-40 Hydrogenated Castor Oil/IPDI Copolymer Water soluble, O/W emulsification, fragrance coupling;

adds slip and lubricity in sticks

Polyderm PPI-CO-200

PEG-200 Hydrogenated Castor Oil/IPDI Copolymer

Rheology modifier for water phase; reduces whitening of antiperspirants, fragrance solubilizer

Polyderm PPI-DGDIS

Polyglyceryl-2 Diisostearate/IPDI Copolymer

Vegetable based shine agent for lip products,

substantive film former, sheen additive for hair

Polvderm PPI-GRC

Glyceryl Diricinoleate/IPDI Copolymer

Naturally derived pigment dispersant and suspending agent, water resistant film former for color cosmetics

Polyderm PPI-PE

Polydiethylene Glycol Adipate/IPDI Copolymer

Hydrophobic film former; provides maximum shine and wear for color cosmetics, excellent adhesion and water resistance for use in sunscreens, barrier creams and lotions

Polymeric Silicone Copolyol Emollients

Polvderm PPI-SI-WI

Bis-PPG-15 Dimethicone/IPDI Copolymer

Water insoluble silicone polymer; water repellent and film former; reduces tack in AP solids, improves wet comb and after feel of styling products

Polyderm PPI-SI-WS

Bis-PEG-15 Dimethicone/IPDI Copolymer

Water soluble conditioner for clear shampoos,

conditioners and styling aids; substantive emolliency for skin care

Polyderm PPI-SI-LSA

Bis-PEG-1 Dimethicone-PEG-2 Soyamine/IPDI Copolymer Cationic silicone urethane; adds shine, gloss and lubricity to hair; improves wet and dry combing; water resistant film former for

creams and lotions

Features

- superior substantivity
- broad pH stability
- ease of usage
- effective at low levels
- resistance to hydrolysisslip additives

Applications

- emollients
- emulsifiers
- film formers
- thickeners

Polymeric Cationic Hydroxy Amine Conditioners

Polvderm PPI-G7/CA

Glycereth-7-Diglycerol-PEG-15 Cocamine/IPDI Copolymer

Water soluble polymer derived from glycerol, diglycerol and cocamine; mild surfactant and humectant for cleansers, conditioner for skin and hair, fragrance solubilizer

Polvderm PPI-SA

Di-PEG-2 Soyamine/IPDI Copolymer

Polymeric emollient derived from soya; provides superior deposition on skin and hair, excellent additive for liquid and bar soaps

■ Polyderm PPI-SA-15

PEG-15 Soyamine//IPDI Copolymer

Water soluble conditioner for clear shampoos, conditioners and styling aids; substantive emolliency for skin care

Polvderm PPI-SA-15 Salicylate

PEG-15 Soyamine//IPDI Copolymer (and) Salicylic Acid Soyamine urethane complexed with saliculic acid; unique source and delivery of salicylic acid for hair and skin care products with excellent conditioning and emolliency

Polymeric Resinous Emulsions

Polyderm PPI-PE/PA ED

Polyether-Propionic Acid/TMXDI Copolymer

Water based polyurethane polyether microemulsion resin; produces soft, durable and flexible water resistant film; fixative and film former for styling gels, mousses and aerosols

Polyderm PPG-17

PPG-17/IPDI Copolymer

Water based polyurethane polyether microemulsion resin; produces soft, durable and flexible water resistant film; fixative and film former for styling gels, mousses and aerosols.

Polymeric Thickeners

Dermothix 75

Disteareth-75 IPDI

Water dispersible urethane; viscosity builder for aqueous surfactant systems; stable high internal phase O/W emulsifier; provides broad pH stability

Dermothix 75L

Disteareth-75 IPDI (and) Glycerth-7

Caprylate/Caprate (and) Water

Liquid viscosity builder for aqueous systems; compatible with all surfactant systems; additive for post adjusting product's final viscosity

Dermothix 100

Disteareth-100 IPDI

Water soluble urethane in flaked form; produces clear viscous solutions in water; soluble in surfactant systems; high internal phase O/W emulsifier

Polyderm[™] Formulary

Polymeric Lipstick w-PPI-GRC (ps4-075)

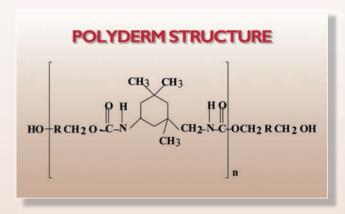
Product Name	INCI NAME	W/W%
Part A		
Performalene	Polyethylene	8.00
SP1020	Ozokerite Wax	3.00
SP 89	Microcrystalline Wax	3.00
Dermol GDL	Glyceryl Dilaurate	3.00
Marrix [™] SF	Di-C12-15 Alkyl Fumarate	8.00
Polyderm PPI-GRC	Glyceryl Diricinoleate/IPDI Copolymer	30.00
Citmol 316	Triisocetyl Citrate	10.00
Bernel Ester TCC	Tricaprylyl Citrate	10.00
Bernel Ester DISM	Diisotearyl Malate	10.00
Part B		
Color Blend (jc3-273)		15.00
TOTAL		100.00

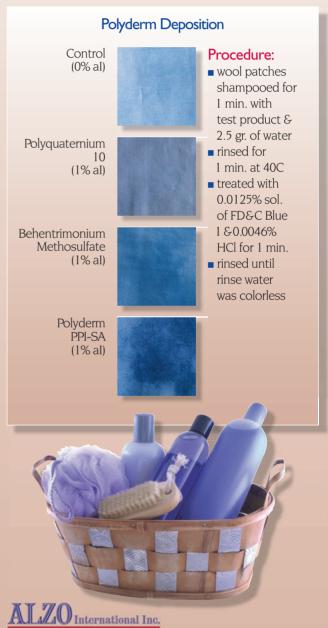
Polyderm Styling Shampoo (jc3-97)

Product Name	INCI NAME	W/W%
Steol CS-230	Sodium Laureth Sulfate	15.00
Stepanol WAC-P	Sodium Lauryl Sulfate	15.00
Foamtaine CAB-G	Cocamidopropyl Betaine	10.00
Polyderm PE-PA	Polyether-Propionic Acid/TMXDI Copolyme	r 3.00
Phenobact	Phenoxyethanol & Methylparaben &	
	Ethylparaben & Propylparaben &	
	Butylparaben	1.00
Fragrance		0.20
Deionized Water		55.80
TOTAL		100.00

Polyderm Body Wash (ps1-274)

Product Name	INCI NAME	W/W%
Deionized Water	Aqua	54.80
Plantaren 2000N	Decyl Glucoside	5.00
Mackam CBS-50	Cocamidopropyl Hydroxysultaine	7.00
Foamtaine CAB-G	Cocamidopropyl Betaine	10.00
Steol CS-230	Sodium Laureth Sulfate	19.00
Dermothix 75	Disteareth-75/IPDI Copolymer	1.00
Polyderm PPI-SA	Di-2 PEG Soyamine/IPDI Copolymer	1.00
Polyderm PPI-SA-15	Di-15 PEG Soyamine/IPDI Copolymer	1.00
Fragrance		0.20
Phenobact	Phenoxyethanol & Methylparaben & Ethylparaben & Propylparaben &	
	Butylparaben	1.00
TOTAL.		100.00





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