



Alzo International Inc

Where Chemistry is Artistry

Dermol MBDD

An Exceptional, Upcycled, Plant-Based Polyester

Mango Butter Dimer Dilinoleyl Esters/
Dimer Dilinoleate Copolymer

What it is

- 100% naturally derived from rapeseed oil and **upcycled mango seeds**
- High MW polymeric emollient
- Viscous, oil-soluble
- Biodegradable, REACh compliant

What it does

- Hair:** substantivity, high shine, outstanding adhesion, conditioning
- Makeup:** waterproofing, high shine, improved wear, pigment wetting
- Skin:** softening, dewiness, SPF water resistance, TEWL reduction

Derived from Nature. Designed by Alzo.



Dermol MBDD

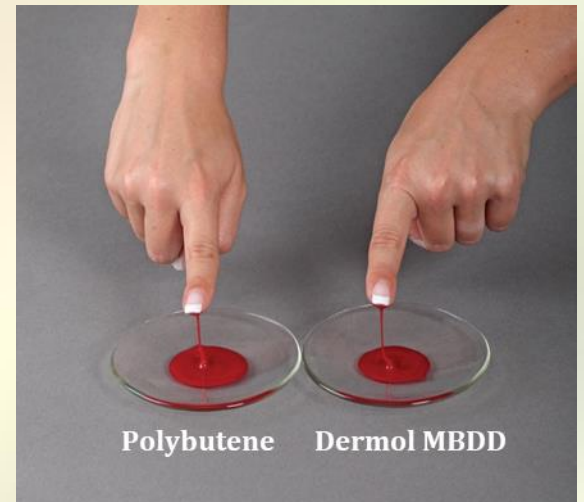
Performance

- **Dermol MBDD is an effective alternative to petroleum-derived Polybutenes & Hydrogenated Polybutenes**

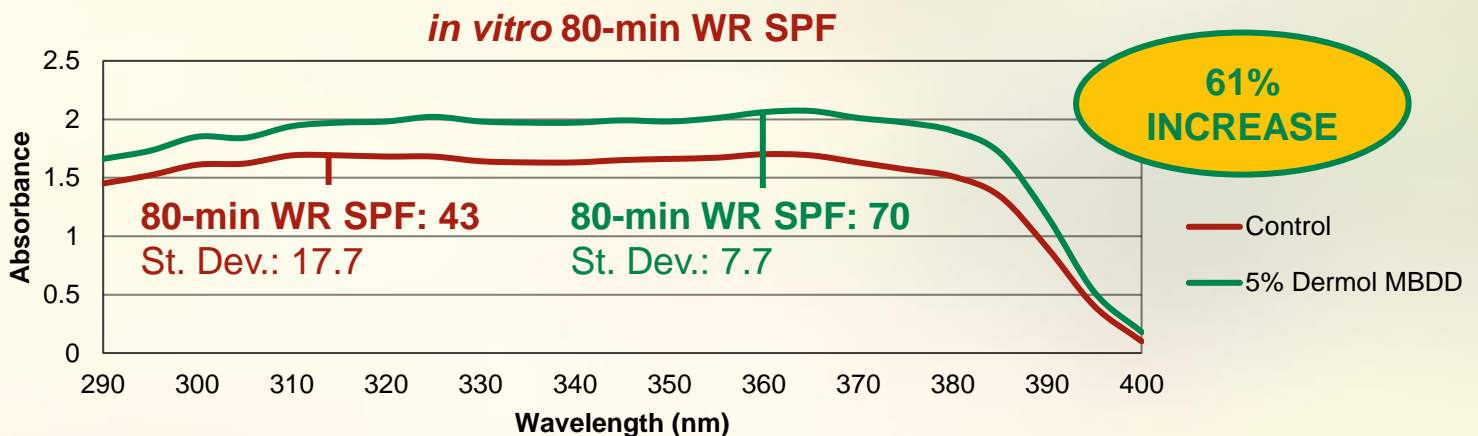
Ingredient	INCI	Viscosity	Specific Gravity	Refractive Index
Indopol H-100	Polybutene	18,000 cP	0.893	1.494
Dermol MBDD	Mango Butter Dimer Dilinoleyl Esters/Dimer Dilinoleate Copolymer	12,000 cP	0.908	1.481

- **Side-by-side comparison shows similar features:**

- **Added shine**
- **Water resistance & long wear**
- **Stickiness & good adhesion**
- **Pigment binding & wetting**



- **But, of course, Dermol MBDD is 100% naturally derived**
- **5% Dermol MBDD provides SPF water resistance for chemical-based UV filters**



Derived from Nature. Designed by Alzo.

Dermol MBDD

Formulary

Natural Lip Gloss

Ingredient	INCI	%
Dermol MBDD	Mango Butter Dimer Dilinoleyl Esters/Dimer Dilinoleate Copolymer	55
Dermol ML	Myristyl Lactate	41.8
BioMade BB	Behenyl Behenate	3
Flavor	Flavor	0.2
Pearl	Iron Oxides (and) Mica	Optional

Glossy Lipstick

Ingredient	INCI	%
Phase A		
Beeswax white	Beeswax	10
Candelilla Wax SP75	Euphorbia Cerifera (Candelilla) Wax	6
Carnauba Wax SP63	Copernicia Cerifera (Carnauba) Wax	3
Dermol MBDD	Mango Butter Dimer Dilinoleyl Esters/Dimer Dilinoleate Copolymer	27
Beantree	Methylheptyl Isostearate	12
Trivent OC-G	Tricaprylin	10
Phase B		
INBP50R27U	Red 27 Lake (and) Isononyl Isononanoate (and) etc.	14
INBP45R7C	Red 7 Lake (and) Isononyl Isononanoate (and) etc.	10
INBP50R36	Red 36 Lake (and) Isononyl Isononanoate (and) etc.	6
KoboMica S-25	Mica	2

Conditioner Bar

Ingredient	INCI	%
Nequat DBS	Stearyl Alcohol (and) Beheamidopropyl Ethyldimonium Ethosulfate (and) Dilinoleic Acid (and) Dimethyl Palmitamine	50
Trivent Mango Butter	Mangifera Indica (Mango) Seed Butter	34.5
Stearyl Alcohol	Stearyl Alcohol	10
Dermol MBDD	Mango Butter Dimer Dilinoleyl Esters/Dimer Dilinoleate Copolymer	5
Fragrance	Fragrance	0.5

Healing Spot Repair Butter

Ingredient	INCI	%
Phase A		
Water	Water	55.5
Dermol CG	Caprylyl Glycol	0.5
Phenoxetol	Phenoxyethanol	0.5
XG FNCSP-PC	Xanthan Gum	0.5
Dermothix 75	Disteareth-75 IPDI	3
Phase B		
Trivent Mango Butter	Mangifera Indica (Mango) Seed Butter	20
Dermol MBDD	Mango Butter Dimer Dilinoleyl Esters/Dimer Dilinoleate Copolymer	20

Body Lotion

Ingredient	INCI	%
Phase A		
DI Water	Water	68.8
Glycerin	Glycerin	3
Phenoxetol	Phenoxyethanol	0.5
Caustic Soda, 25% solution	Sodium Hydroxide	0.4
Dermol CG	Caprylyl glycol	0.3
Veegum Ultra	Magnesium Aluminum Silicate	1
XG FNCSP-PC	Xanthan Gum	0.5
Phase B		
Beantree	Methylheptyl Isostearate	10
Trivent Mango Butter	Mangifera Indica (Mango) Seed Butter	5
Wickenol 535	Wheat Germ Glycerides	5
Dermol MBDD	Mango Butter Dimer Dilinoleyl Esters/Dimer Dilinoleate Copolymer	2
Stearyl Alcohol	Stearyl Alcohol	2
Mulls 2218	Behenoyl Stearic Acid	1.5
Phase C		
Citric Acid	Citric Acid	Adjust

Derived from Nature. Designed by Alzo.



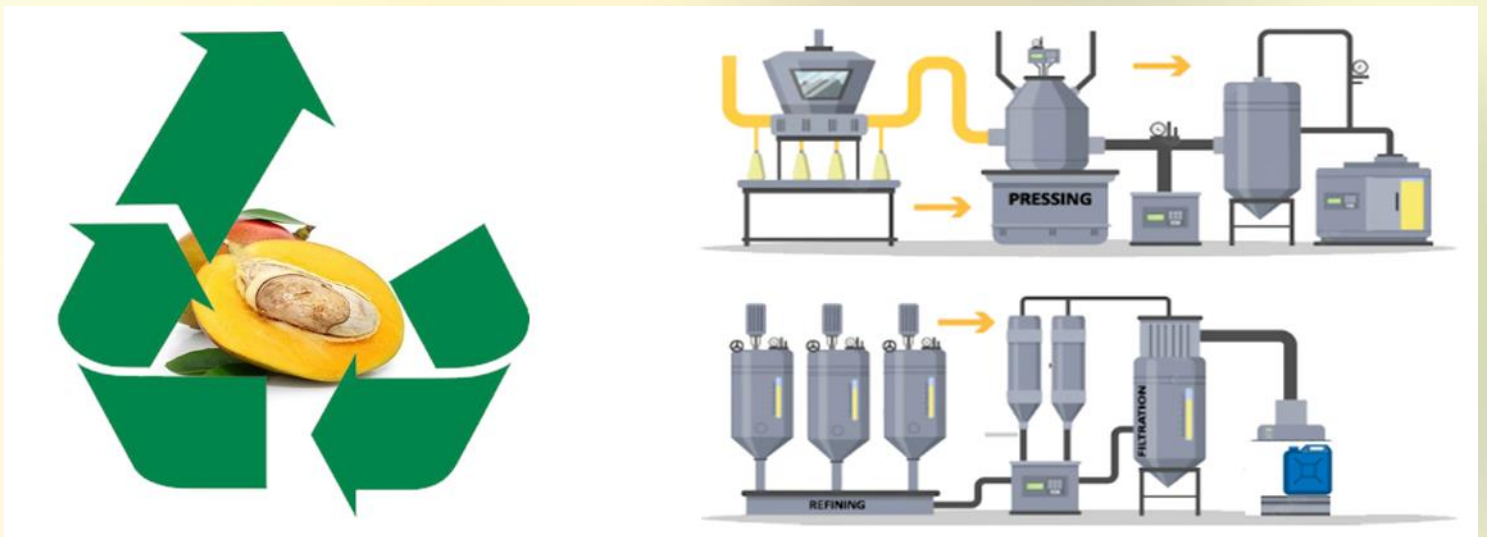
Alzo International Inc
Where Chemistry is Artistry

Dermol MBDD

An Exceptional, Upcycled, Plant-Based Polyester

How it's upcycled

- **Worldwide mango production was 55 metric tons in 2020**
- **The primary use is the fruit & pulp, which only accounts for half the weight of the mango – almost 50% is “waste”!**
- **The mango seed can be upcycled** to extract mango seed butter
- **The fatty acids of the mango butter help create the unique viscosity and properties of Dermol MBDD**



650 Jernee Mill Road, Sayreville, NJ 08872, USA ■ Phone: 1-732-254-1901 ■ Fax: 1-732-254-4423

Derived from Nature. Designed by Alzo.