

The unbeatable rheology team of **Emulsiderm MPN** and **Rapidgel EZ2** grants you the Freedom to Formulate using the ester cascade technique with our **Sensoderma** emollients' adjustable sensorial effects. Add any active into your project with confidence in final integrity and stability. Our novel rice powder **Activederm RP** creates the matte effect here on skin application.

		 Components	 INCI Declaration	 %	 Function
Phase I		Water deionized Methocel E10M ^(a) TrisAmino Ultra PC ^(b) Disodium EDTA Glycerin USP Brontide ^(c)	Aqua Hydroxypropyl Methylcellulose Tromethamine Disodium EDTA Glycerin Butylene Glycol (renewable)	q.s.100 0.20 0.10 0.05 4.00 1.00	Solvent-diluent Rheology synergist pH adjuster Chelant Humectant Emulsifying aid
Phase II		Sensoderma CCT Sensoderma INN Sensoderma DBA Activederm RE Emulsiderm MPN Niaxalin ^(d) Filagrinol N-P ^(e)	Caprylic/Capric Triglyceride Isononyl Isononanoate Dibutyl Adipate Propylene Glycol Dicaprylate Dicaprate & Oryza Sativa (Rice Bran) Oil & Tocotrienols Polyglyceryl-6 Laurate & Caprylic/Capric Triglyceride & Polyglyceryl-6 Oleate & Lecithin Betulin Pollen Extract & Soya Oil & Olive Oil & Wheat Germ Unsaponifiables	5.00 3.00 2.00 1.00 3.00 0.50 0.50	Sensorial builder Sensorial builder Sensorial builder Radical Oxygen scavenger Emulsifier (NOI = 1.0) Skin care active Skin care active
Phase III		Activederm RP Rapidgel EZ2	Oryza Sativa (Rice) Starch Dicaprylyl Ether & Acrylates/Vinyl Isodecanoate Crosspolymer & AMP	3.00 1.50	Matte finish effect Rheology modifier
Phase IV		Ashwagandha Root ^(f) Sharomix EG14 ^(g) ORC0802032 Fresh ^(h)	Withania Somnifera (Ashwagandha) Root Extract Ethylhexylglycerin & Phenoxyethanol Fragrance (parfum)	2.00 1.00 0.30	Skin care active Preservative Fragrance

Procedure:

- Slowly add Methocel into temperate water of Phase I. Mix well for 40 minutes at high speed until uniform hydration.
- Now add **IN ORDER** remaining ingredients of Phase I. Mix well until uniform.
- In a separate vessel combine the materials in Phase II. Mix well until dissolution of care actives is complete and uniform.
- Now transfer Phase II into Phase I and mix at high speed for 15 – 20 minutes.
- Reduce mixer speed to moderate then add Activederm RP and Rapidgel EZ2 to the batch under agitation.
- When batch is uniform add materials in Phase IV and mix until uniform. Stop mixing.
- Result: elegant dense lotion with fast break on skin **having N.O.I = 0.74**, Viscosity = 12,000 cps @ 20°C, pH 6.40 @ 20°C, stable @ 45°C at 60d

Sources:

- IFF- Chempoint
- Advancion
- Genomatica
- Terlys
- Vevy Europe
- Making Cosmetics
- Sharon Labs
- Orchidia