









#### Formulation sheet

# Dry-feel pickering sunscreen

**ACTS20224** 

# **Description**

Pickering emulsion giving easy, dry-feeling application and soft, powdery after-feel with ensulizole and avobenzone actives.

Phase	Ingredient	INCI name	Supplier	Function	Wt.%
А	Water	Water	_	_	48.70%
	Parsol® HS	Ensulizole	DSM	Active	4.00%
В	Tris Amino® Ultra PC	Tris(hydroxymethyl)-aminomethane	Angus	Neutralizer	3.00%
С	Zemea® propanediol	Propanediol	CovationBio PDO	Humectant	4.00%
	Pre-hydrated Ticaxan® Rapid-3 powder	Xanthan gum	TIC Gums	Polymer	0.30%
D	Zemea® propanediol	Propanediol	CovationBio PDO	Humectant	4.00%
	Cab-O-Sil M-5P	Silica	Cabot	Emulsifier	3.00%
	Water	Water	_	_	10.00%
Е	Crodamol™ AB	C12-15 benzoate	Croda	Emollient	12.00%
	Parsol® 1789	Avobenzone	DSM	Active	3.00%
F	Span® 20	Sorbitan laurate	Croda	Dispersant	2.00%
G	Polargel® UV-1416	Water (and) bentonite (and) picea abies wood extract (and) sodium polyacrylate (and) titanium dioxide (and) xanthan gum (and) phenoxyethanol (and) ethylhexylglycerin	Mineralstech	Active	5.00%
	Spectrastat™ G2	Caprylhydroxamic acid (and) glyceryl caprylate (and) glycerin	Inolex	Preservative	1.00%
	Total				100.00%

Formula provided by: ACT Solutions Corp., Newark, Delaware, USA

### **Procedure**

- 1. Premix phase A then add phase B until AB is clear.
- 2. Premix phase C and D.
- 3. Add C to phase AB with propeller stirring.
- 4. Add D to ABC with propeller stirring.
- 5. Premix phase E, then add phase F to E.

- 6. Add EF to ABCD.
- 7. Add phase G with propeller stirring.
- 8. Add phase G.
- 9. Homogenize until smooth and glossy.

## **COVATION**BIO PDO

For additional information or samples, please contact Customer Service.

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