



IOI OLEOCHEMICAL



FORMULA DATA

Appearance:	Thick white cream
pH (RT):	N/A
Viscosity (RT):	1138000 mPa.s (56,9%) (DV1RV, sp. TC 93, 0.5 rpm, 30s)
Stability test:	Passed (3 months @ RT, 40°C & 50°C)
SPF:	30 (calculated)



IOI OLEOCHEMICAL

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V1.1

Mineral Sunscreen SPF 30

- W/O emulsion with Mineral SPF
- Comfortable, smooth texture
- Nourishes & protects the skin
- **MIGLYOL® Gel ISD** offers heat stability with a silky sensory
- Glowly finish, no white cast
- 15,25% Zinc Oxide & 2,50% Titanium Dioxide
- Vegan compatible & NOC 0.85 (ISO 16128)



Mineral Sunscreen SPF 30

No.
005H

PHASE	TRADE NAME	INCI	%	FUNCTION
A	IMWITOR® 600¹	Polyglyceryl-3 Polyricinoleate	6.0	Soft, Plant-Based W/O Emulsifier
A	IMWITOR PG3 DIS¹	Polyglyceryl-3 Diisostearate	3.0	Gentle, Plant-Based W/O Co-Emulsifier
A	SOFTISAN® 650¹	Polyglyceryl-3 Azelate/Caprate/Caprylate/Stearate Crosspolymer	2.0	Plant-based Film-Former, Light Touch, Water Resistance
A	Cosmacol OE²	Dicaprylyl Ether	11.0	Light Emollient
A	CCC65GZSG³	Zinc Oxide (and) Coco-Caprylate/Caprate (and) Stearoyl Glutamic Acid (and) Polyhydroxystearic Acid	25.0	Mineral UV Filter
A	MIGLYOL® Gel ISD¹	Isododecane (and) Distearidimonium Hectorite (and) Propylene Carbonate	1.0	Heat-Stable Oleogel, Silky Touch
A	NHP55STS³	Titanium Dioxide (and) C13-15 Alkane (and) Stearic Acid (and) Aluminum Hydroxide (and) Polyhydroxystearic Acid	5.0	Mineral UV Filter
A1	HDK H18⁴	Silica Dimethyl Silylate	1.5	Sensory Modifier
B	Zink Sulfate Heptahydrate⁵	Zinc Sulfate	1.2	Stabilizing Agent
B	Water demin.	Aqua	35.2	Solvent
B	Ethanol⁶	Alcohol	5.0	Alcohol
B	Glycerin⁷	Glycerin	3.0	Humectant
B	EUXYL PE 9010⁸	Phenoxyethanol (and) Ethylhexylglycerin	1.1	Preservative

Suppliers: ¹IOI Oleo GmbH, ²SASOL, ³Kobo, ⁴WACKER, ⁵Roth, ⁶VWR Chemicals, ⁷Louis Dreyfus, ⁸Ashland

PROCESS

1. Heat Phase A to 40°C while stirring until everything is homogeneous.
2. Add Phase A1 while stirring and briefly homogenize.
3. Mix Phase B.
4. Slowly add Phase B to Phase A while homogenizing at 8000 rpm for 3 min.

Natural
Origin
Content
(ISO 16128)
85%



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