



IOI OLEOCHEMICAL



FORMULA DATA

Appearance:	Light yellow cream
pH (RT):	5.5
Viscosity (RT):	10900 mPa.s (DV1RV, sp. TC93, 20 rpm, 30s)
Stability test:	Passed (3 months @ RT & 40°C)
Challenge test:	Passed (A. criteria, Ph.Eur. 5.01.03)
SPF:	50 (calculated),



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personalcare@ioioleo.de

V1.0

Bouncy Lotion SPF50

- Water-based acrylic sunscreen emulsion
- Light gel-cream texture that absorbs quickly
- Hydrates & protects the skin
- Water-light **MIGLYOL® 8810** & water-resistant naturally light film-former **SOFTISAN® 650**
- Ultra-light feel, no white cast & ideal as a make-up base
- Genderfluid concept
- Vegan & NOC 0.73 (ISO 16128)



Bouncy Lotion SPF50

No.
002H

PHASE	TRADE NAME	INCI	%	FUNCTION
A	Water demin	Aqua	53.30	Solvent
A	Ethanol ²	Alcohol	10.00	Alcohol
A	Euxyl® PE 9010 ³	Phenoxyethanol (and) Ethylhexylglycerin	1.10	Preservative
A	Glycerin ⁸	Glycerin	3.00	Humectant
B	Cosmacol® OE ⁴	Dicaprylyl Ether	3.00	Light Emollient
B	MIGLYOL® 8810	Butylene Glycol Dicaprylate/ Dicaprate	5.30	Water-Light Emollient
B	SOFTISAN® 650	Polyglyceryl-3 Azelate/Caprate/ Caprylate/Stearate Crosspolymer	2.00	Naturally Light Film-Former, Long-Lasting, Water-Resistance
B	Eusolex OCR5	Octocrylene	8.00	UV Filter
B	Eusolex® HMS ⁵	Homosalate	2.00	UV Filter
B	Neo Heliopan® 357 ⁶	Butyl Methoxydibenzoylimethane	4.00	UV Filter
B	Neo Heliopan® BMT ⁶	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	3.00	UV Filter
B	Carbopol® Ultrez 20 Polymer ⁷	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	0.30	Gelling Agent
B	Eusolex® OS ⁵	Ethylhexyl Salicylate	5.00	UV Filter

Suppliers: IOI Oleo GmbH, ²Schröder & Pollehn, ³Ashland, ⁴Sasol, ⁵Susomity, ⁶Symrise, ⁷Lubrizzol, ⁸Louis Dreyfus

PROCESS

1. Mix phase A
2. Mix phase B and heat to 40°C until clear.
3. Add phase A to phase B and homogenize @12000 rpm for 3 min.
4. Adjust pH to 5.5 ± 0.2.



> 73%



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