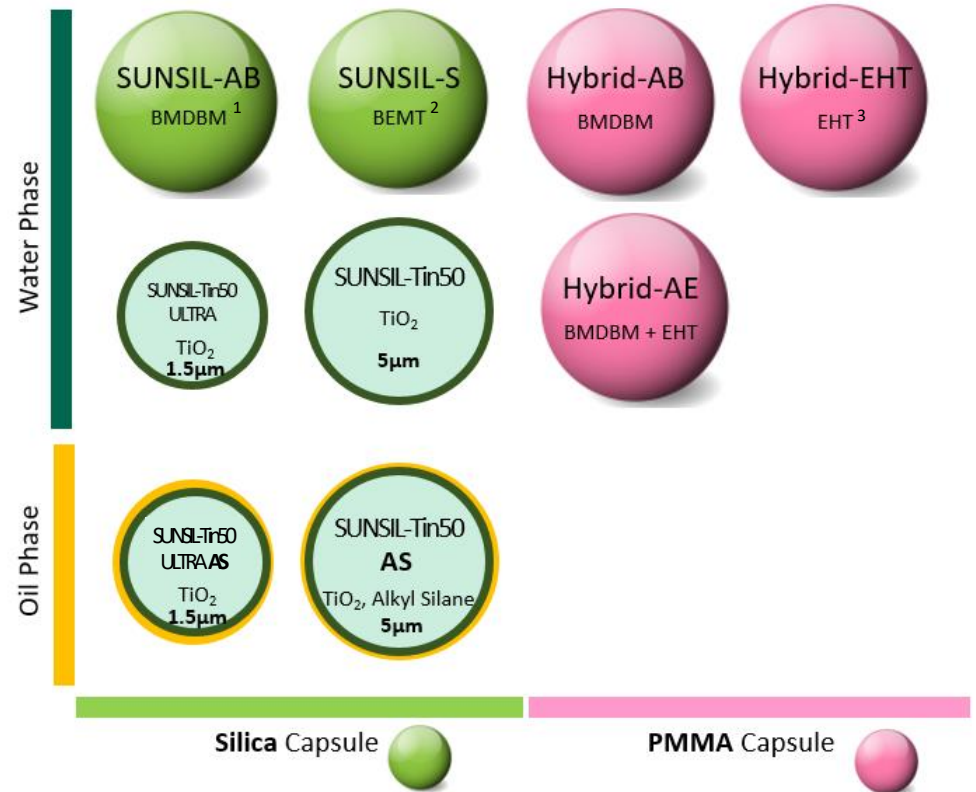
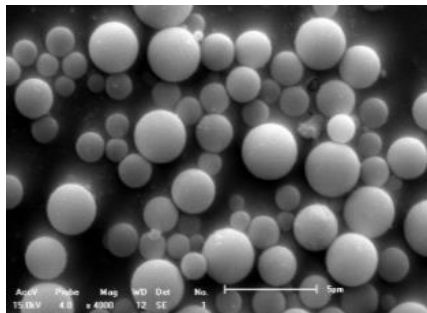


UV Capsules

UV Capsules, water dispersible, can be incorporated in the water phase

The use of UV Capsules allow a balanced incorporation of UV filters in the water and oil phase. Therefore, a more homogeneous distribution of the UV filters on skin can be achieved which often result in a boosting effect



¹BMDDBM: Butyl Methoxy dibenzoylmethane

²BEMT: Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine

³EHT: Ethyl Hexyl Triazone

BEMT, EHT not available in USA as of July 2021

UV Capsules

UV Capsules, 'Global First & Only' products from SUNJIN

2002: SUNSIL Tin50 mass produced

2008: Hybrid AB commercialized

2021: SUNSIL S & AB developed

2021: SUNSIL Tin50 Ultra developed

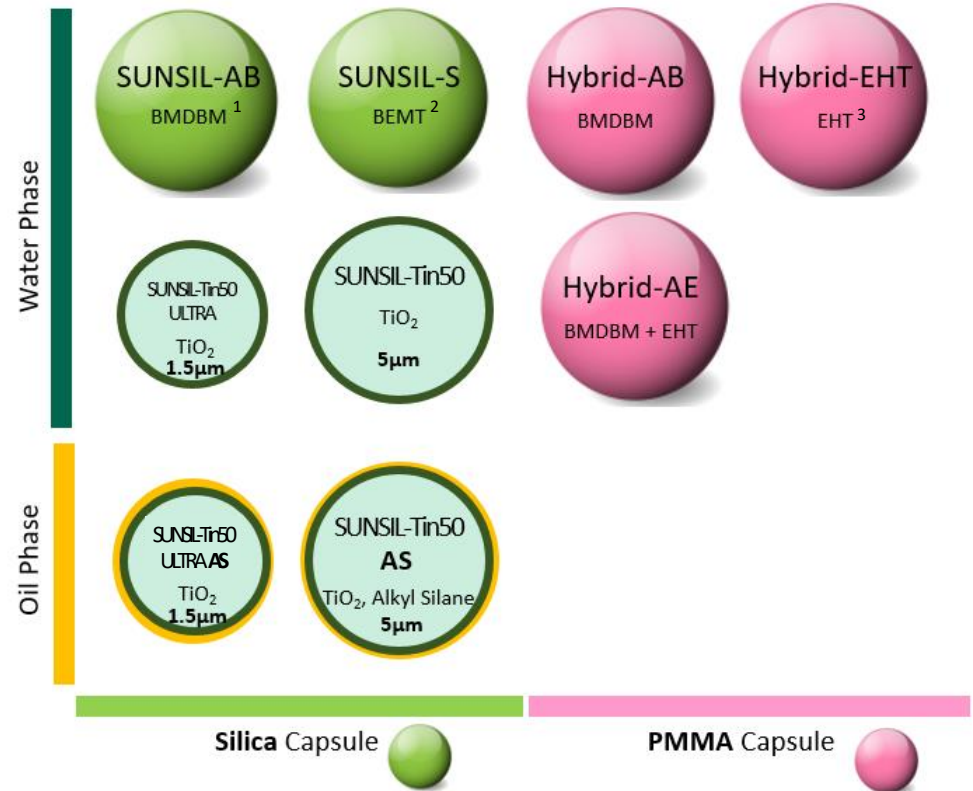
Only SUNJIN can offer these UV capsules

UV Capsules ideal for **O/W** daily sun care



UV Capsules makes

- Light texture
- Less tacky
- Less eye/skin irritation
- Reduce % of emulsifier(i.e. water resistant)
- No need to use EtOH to solubilize DHHB⁴



¹BMD¹: Butyl Methoxy dibenzoylmethane

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BEMT, EHT, DHHB not available in US as of July 2021

O/W EtOH, Micro Plastic, OMC Free Global SUNGEL

SPF30 PA+++

SJF-2030 O/W EtOH, Micro Plastic, OMC Free Global SUNGEL SPF30 PA+++

New in 2020

Evaluation	
In vivo SPF	30.00
In vivo PA	10.00
Critical Wavelength (nm)	379.4
White Index	12.85
Viscosity (cP) LV-03, 100rpm	6,579

Key ingredients from SUNJIN

SUNSIL-AB:

30% AB Inside.

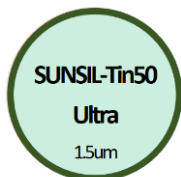
UVA Filters.

Phase	Ingredients	INCI Name	%	Maker
A	D.I. Water	water	48.5	
	Pemulen TR-1	Acrylates/ C10-30 Alkyl Acrylate Crosspolymer	0.2	Lubrizol
	Carbopol 940	Carbomer	0.05	Lubrizol
B	Parsol HMS	Homosalate	10	
	Parsol EHS	Ethylhexyl Salicylate	5	DSM
	Parsol 340	Octocrylene	4	
C	SUNSIL-AB	Silica & Butyl Methoxydibenzoylmethane	7.5	SUNJIN
	Greendiol	2,3-Butanediol	14	GS Caltex
	TPG	Tripropylene Glycol	5	SKC
	Glycerin	Glycerin	4.45	
D	TEA	Triethanolamine	0.2	
E	1,2-Hexanediol	1,2-Hexanediol	1	
	Sensiva SC 50	Ethylhexylglycerin	0.1	Schülke

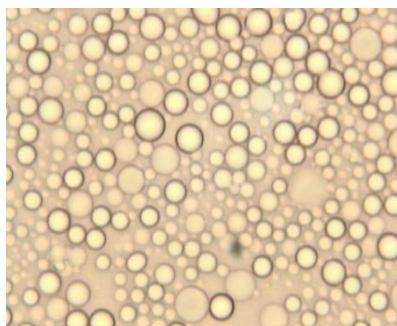
**USA approved
UV filters used**

SUNSIL Tin50 Ultra

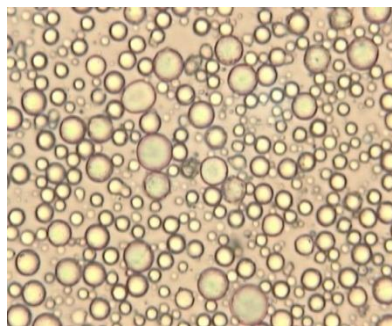
New 2021



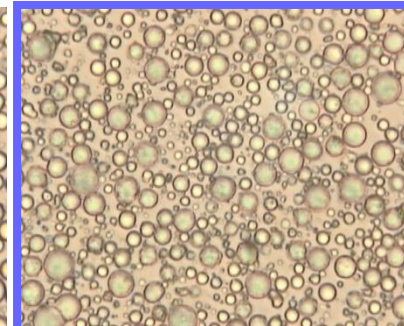
Silica Bead: SUNSIL 130



SH 219

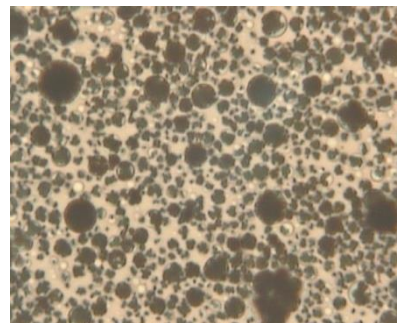


SUNSIL Tin50

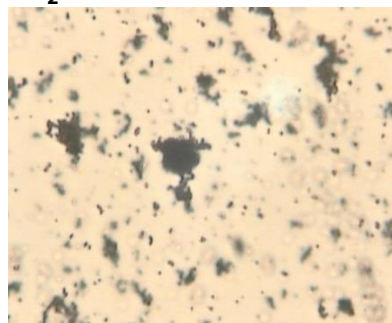


Extremely Transparent as compared to TiO₂

SUNSIL Tin NaturalWhite



TiO₂



Nano TiO₂ looks dark under microscope as light beneath blocked by opaque TiO₂