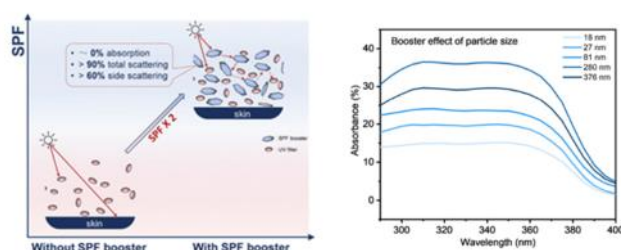


Sun protection factor booster

Oxford scientists have synthesised specifically sized 2D inorganic platelets which effectively boost UV scattering in sunscreen and cosmetic formulations.

Applications: Sunscreen, Personal Care, Sun Care, Cosmetics



Features	Benefits
2D Layered Double Hydroxide platelets	Demonstrated synthetic route
Platelet size influences UV scattering properties	Allows selective growth of 2D platelet size
New materials for SPF	Platelets demonstrate UV scattering properties as an alternative to UV absorbing
Synergistic effect with commercially available UV absorbers	UV scattering effect can be tuned by the size of the 2D platelet
	Comparable to commercially available emulsions or polymer bio-beads
	Cost effective alternative material
	Efficient at very low loadings
	Increases the effectiveness of existing sun block and cosmetic active agents

Features

Benefits

Potential to reduce the UV absorbing components in sun block and cosmetics formulations for more environmentally friendly and safe offering to the public

Patented and Available for

- Co-development
 - Consulting
 - Licensing
-

To find out more, contact enquiries@innovation.ox.ac.uk and quote the project number.

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