

Chemical	EWG Hazard Score	Use in U.S. sunscreens	Skin Penetration	Hormone disruption	Skin Allergy
UV filters with higher toxicity concerns					
Oxybenzone	8	Widespread	Detected in nearly every American; found in mother's milk; 1-to-9% skin penetration in lab studies	Acts like estrogen in the body; alters sperm production in animals; associated with endometriosis in women	Relatively high rates of skin allergy
Octinoxate (Octylmethoxycinnamate)	6	Widespread	Found in mothers' milk; less than 1% skin penetration in human and laboratory studies	Hormone-like activity; reproductive system, thyroid and behavioral alterations in animal studies	Moderate rates of skin allergy
UV filters with moderate toxicity concerns					
Homosalate	4	Widespread	Found in mothers' milk; skin penetration less than 1% in human and laboratory studies	Disrupts estrogen, androgen and progesterone	
Octisalate	3	Widespread	Skin penetration in lab studies		Relatively high rates of skin allergy
Octocrylene	3	Widespread	Found in mothers' milk; skin penetration in lab studies		Relatively high rates of skin allergy
UV filters with lower toxicity concerns					
Titanium Dioxide	2 (topical use), 6 (powder or spray)	Widespread	No finding of skin penetration	No evidence of hormone disruption	None
Zinc Oxide	2 (topical use), 4 (powder or spray)	Widespread; excellent UVA protection	Less than 0.01% skin penetration in human volunteers	No evidence of hormone disruption	None
Avobenzone	2	Widespread; best UVA protection of chemical filters	Very limited skin penetration	No evidence of hormone disruption	Relatively high rates of skin allergy
Mexoryl SX	2	Uncommon; pending FDA approval; offers good, stable UVA protection	Less than 0.16% penetrated the skin of human volunteers	No evidence of hormone disruption	Skin allergy is rare