SCHOTT Vitryxx® Bioactive Glass

Summary of Test Data – Highly biocompatible and skin-friendly

Product Information

SCHOTT has completed a battery of standard irritation tests recommended by toxicologists from the cosmetics industry. One of the objectives was to assess the safety levels of the high-pH formulations of Vitryxx®.

The toxicological irritation tests were conducted with extremely high concentrations of Vitryxx®. However, no incidents of irritation have been reported, even at high pH levels.

Test name	Institute	Date	Test Product/Vehicle	Positive Control	Official Result of Test Institute	N
Human Patch Test (4 weeks)	Dermatest	September 2000	SCHOTT Vitryxx® powder 4µm (30wt%) in 70% Glycerine	–	No irritation	20
Human Patch Test (3 days)	Dermatest	June 2000	SCHOTT Vitryxx® powder 4µm (30wt%) in 70% Glycerine	–	No irritation	30
Human Patch Test (3 days)	Fresenius	February 2001	SCHOTT Vitryxx® powder 4µm (30wt%) in 70% Glycerol	1 % SDS	Classified as harmless	50
Human Patch Test (3 days)	Dermatest	February 2001	SCHOTT Vitryxx® powder 4µm (30wt%) in 70% O/W Emulsion (acc. DAC)	–	No irritation	30
Human Patch Test (3 days)	Dermatest	February 2001	SCHOTT Vitryxx® powder 4µm (30wt%) in 70% W/O Emulsion (acc. DAC)	–	No irritation	30
Hen's Egg Chorioallantioc Membrane Test (HET-CAM)	L+S AG	November 2001	5 % SCHOTT Vitryxx® powder 4µm in water	Texapon ASV 5 %	Lowest irritation class	6
Hen's Egg Chorioallantioc Membrane Test (HET-CAM)	L+S AG	November 2001	SCHOTT Vitryxx® powder 4µm in DAC Basic formulation	Texapon ASV 5 %	Lowest irritation class	6

N = Number of tests | DAC = Deutscher Arzneimittel Codex

Further test data, e.g. toxicity studies, are available upon request.

Electronic Packaging
SCHOTT North America, Inc.
15 Wells Street
Southbridge, MA 01550
USA
Phone: +1 508 765-7450
Fax: +1 508 765-7410
epackaging@us.schott.com

www.us.schott.com/epackaging

SCHOTT
glass made of ideas