



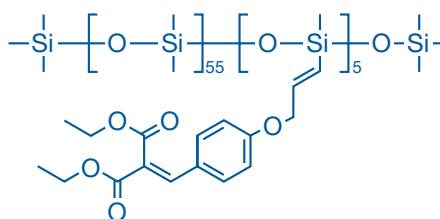
PARSOL® SLX

PARSOL® SLX is a silicone based UVB absorber. It is a colorless to pale yellow viscous liquid which is soluble in organic solvents of medium polarity and insoluble in water. PARSOL® SLX is the first polymeric UV B filter consisting of chromophores attached to a silicone backbone. It is an effective photostabilizer for PARSOL® 1789. PARSOL® SLX in combination with PARSOL® HS shows a very good synergy to achieve high SPF (>30).

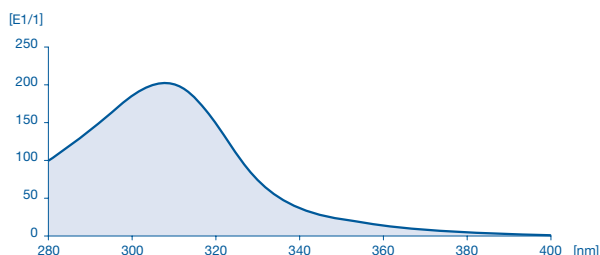
Product name:
INCI name:
USAN:
Product code:
Chemical name:

PARSOL® SLX
 Polysilicone-15
 0486051 (ex U.S.), 5010438 (ex Germany)
 α -(trimethylsilyl)- ω -(trimethylsilyloxy)poly[oxy(dimethyl)silylene]-co-[oxy(methyl)(2-{p-[2,2-bis(ethoxycarbonyl)vinyl] phenoxy}-1-methyleneethyl)silylene]-co-[oxy(methyl)(2-{p-[2,2-bis(ethoxycarbonyl)vinyl] phenoxy}prop-1-enyl)silylene]

Chemical structure:



Absorption spectrum
E 1/1 in Ethanol:



Chemical formula:
Molecular weight:
CAS:
EINECS:

—
 Mw > 6000
 207574-74-1
 426-000-4

Specifications

Purity:
 Appearance:
 E1/1:
 Lambda max:

Colorless to pale yellow, slightly viscous liquid
 160 – 190
 312 nm



UVB SLX

Physical and chemical properties

Solubility:	Miscible with all relevant cosmetic oils, soluble in most organic solvents of medium polarity insoluble in water Isopropyl Palmitate > 50 % Isopropyl Myristate > 50 % Caprylic/Capric Triglyceride > 50 % Cyclomethicone > 50 % C12-C15 Alkyl Benzoate > 50 % Ethylhexyl Palmitate > 50 % Propylene Glycol dicaprylate/Dicaprate > 50 % Isostearyl Neopentanoate > 50 % Squalane < 25 % Dimethicone < 1 %
Known incompatibilities:	No known incompatibilities
Recommended use level:	1– 5 %
Regulatory status max concentration:	ASEAN 10 %, Australia 10 %, China no limit, Europe 10 %, Japan 10 %
Application information:	Formulations containing PARSOL® SLX should be always checked by in vivo methods regarding SPF efficacy. Due to its polymeric nature, in vitro SPF measurements underestimate the performance of PARSOL® SLX Please talk to DSM application experts to benefit from our huge in vivo experience with PARSOL® SLX.

DSM Nutritional Products Ltd.
P.O. Box 3255, CH-4002 Basel, Switzerland
www.dsmnutritionalproducts.com

Copyright © 2009 DSM Nutritional Products AG, CH-4002 Basel, Switzerland
All rights reserved. No part of this brochure may be reproduced, distributed or translated in any form or by any means, or stored in a database or retrieval system, without the prior written permission of DSM Nutritional Products AG ("DSM"). While making reasonable efforts to ensure that all information in this brochure is accurate and up to date, DSM makes no representation or warranty of the accuracy, reliability, or completeness of the information. Use of this information shall be at your discretion and risk. Nothing herein relieves you from carrying out your own suitability determinations and tests and from your obligation to comply with all applicable laws and regulations and to observe all third party rights. The uses and claims for DSM's products recommended in the brochure should be adapted to the current local regulatory environment. We disclaim any and all liability in connection with your product or its use.

PARSOL is among the registered and unregistered trademarks of DSM



Unlimited. **DSM**