

# TinSorb™ SLX UV Filter

INCI: Polysilicone-15



## Introduction

TinSorb™ SLX is a silicone-based UV-B absorber and integrates easily with the oil phase of sunscreen formulation. TinSorb™ SLX can achieve a very high SPF (>30), enabling day care or sunscreen formulations that leave a dry, silky touch on the skin. TinSorb™ SLX brings silkiness to formulation, adding sensory to performance and its polymeric structure ensures excellent skin compatibility building a uniform film for optimal sun protection. TinSorb™ SLX added to rinse-off and leave-on hair products delivers multiple benefits including prevention of color fading, gloss enhancement and conditioning.

## Chemical Name

Dimethicodiethylbenzal Malonate

## INCI Name

Polysilicone-15

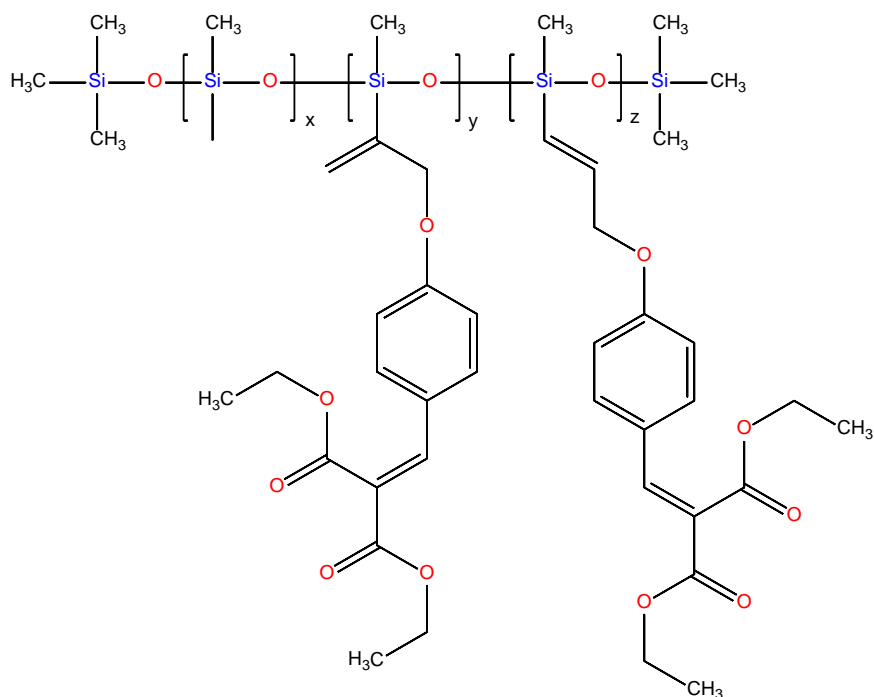
## CAS Number

207574-74-1

## EINECS Number

606-621-9

## Chemical Structure



TinSorb™ SLX UV Filter TDS version 7.1R	© Tintoll Performance Materials Co., Ltd.
1 / 3	www.tintoll.com

# TinSorb™ SLX UV Filter

INCI: Polysilicone-15



**Chemical Formula**  $2C_{17}H_{19}O_5 \cdot C_6H_{18}OSi_2(CH_3OSi)_n$

**Molecular Weight** 891.32

**Physical Properties**

Appearance	Colorless to pale yellow liquid
Purity (%)	Min.95

**Solubility**

Solubility [20°C]	Concentration
Water	immiscible
Cosmetic oils	miscible
Organic solvents	miscible

**Benefits & Applications**

- Dry and silky feel
- Good color retention
- Effective photostability
- SPF Enhancement
- Sun Protection

Baby Care: Baby Shampoo, Baby Soap, Baby Sunscreen, Infant Care

Bath & Shower: Shower Gels

Color Cosmetic: Foundation, Lipstick

Hair Care: Hair Color, Hair Conditioner, Hair Treatment & Repair, Shampoos & Rinses

Personal Hygiene: Hand Soap

Skin Care: Body Cream, Face Cream, Hand Cream

Sun Care: Baby Sunscreen, Sunscreen Lotion, Sunscreen Spray

Max use level approved:

ASEAN: 10%

Australia: 10%

China: 10%,

Europe: 10%

Japan: 10%

Mercosur: 10%

# TinSorb™ SLX UV Filter

INCI: Polysilicone-15



US: up to 1%

## Handling & Storage

In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid continuous or repetitive breathing of dust. Use only with adequate ventilation. Protect skin. Avoid dust formation and ignition sources.

This product may be stored up to two years in a sealed container. Containers should be stored in a cool, dry area. Extended storage at elevated temperatures or exposure to direct heat or sunlight could reduce product life. Keep containers sealed when not in use.

For more detailed information please refer to the material safety data sheet.

## Packing

TinSorb™ SLX is supplied in 25kg drum.

## Note

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability.

We disclaim liability for any incidental or consequential damages.

TinSorb™ SLX UV Filter TDS version 7.1R	© Tintoll Performance Materials Co., Ltd.
3 / 3	<a href="http://www.tintoll.com">www.tintoll.com</a>