Topclear ECO

TECHNICAL DATASHEET

PRODUCT INFORMATION	
Category	Ecological cleaner to remove Sudlac shading coatings
Description	By using Topclear ECO a grower has full control over when the coating is to be removed. Topclear ECO is only suitable for removal of the Eclipse LD series and Transpar coatings.
Properties	• Certified by Ecocert • Reduced pH level • No ADR classification, non-corrosive labelling • Safer for humans and the environment • Easier to store and transport • Biobased & Biodegradable formulation according to OECD301F Guideline • No IMO containers needed • Easy to apply • Dilute with clean water • Apply in dry weather • Applicable to all types of greenhouses
Recommended use	For the removal of Sudlac shading coatings
Recommended surface	Suitable for glass, acrylate, polycarbonate and plastic film
Identified users	Industrial – for professional use only

TECHNICAL SPECIFICATIONS	
Physical state	Liquid
Colour	Colourless to yellow
Odour	Neutral
pH	≤ 10
Flammability (solid, gas)	Non flammable
Explosive properties	None
Density	1.01 - 1.06 g/cm³
Viscosity	700 - 1500 mPa.s Brookfield, 5 rpm, 20°C
Transport regulation (ADR, RID, IMDG, IATA, IDN)	Not applicable

STORAGE CONDITIONS	
Packaging	20 L can (1 pallet contains 48 cans) 1000L IBC (1060kg)
Shelf life	Unopened containers have a shelf life of 3 years. Keep only in the original container in a cool, well-ventilated place. Products should be protected against frost (below 0°C) and overheating (above 35°C).

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This technical datasheet is based on many years of experience. Lumiforte can not be held liable for any damages resulting from the use of this product or any damages beyond her control. The customer should check, using the means normally available to him, whether the products supplied are suitable for the planned application. If in doubt, consult our technical specialists via welcome@lumiforte.com.

Sudlac is a brand of Lumiforte®

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INSTRUCTIONS FOR USE	
Surface preparation	Shake cans well before use. Check whether the waterways and surroundings are suitable for the inflow of Topclear ECO. Preferably close the inlet of the irrigation basin from the start of the application until the shading material is removed. Note: Standard greenhouse cover materials will not be damaged by Topclear ECO. For specially treated greenhouse cover materials (diffuse glass, AR coatings), please contact your supplier.
Weather conditions	• Spray the solution evenly onto a dry greenhouse surface in dry weather and at a minimum temperature of 5°C • Wind speed of less than 2 m/s (7 km/h) • Relative humidity (RH) < 90 % • Do not apply Topclear ECO on a wet surface or during rain because it needs at least 20 minutes to react with the coating
Equipment	Application should be done by spraying the liquid on the surface: • By spraying machine • By drone • By hand with a spray gun • By drone or helicopter
Personal protection	Wear a safety mask, protective gloves, and protective clothing. Avoid breathing dust/fume/gas/mist/vapours/spray.
Dilution	Spray at least 240 L Topclear ECO diluted with 1,260 or 1,760 liter water per hectare depending on the application method. Stir continuously.
Application	Apply Topclear ECO evenly to a dry greenhouse surface and allow it to soak in for at least 20 minutes before brushing. Or apply Topclear ECO when a considerable amount of rain is expected within one week. The rain will wash off the coating. Make sure that the entire coating is moistened. Sections that are not moistened will not be re-moved. Note: Use of roof-sprinklers for cooling can cause removal problems. Do not use rooftop sprinklers for rinsing purposes. Do not use any other cleaning agents to remove Sudlac coatings.

ENVIRONMENT	
Environmental precautions	Always dilute products with water in the right amount before use and rinse with a large amount of water. Waste disposal according to official state regulations. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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