Kusumoto Chemicals, Ltd.

DISPARLON® SEI-1501

Surface Free Energy Increasing Agent

TECHNICAL DATA SHEET
Issued on 6 November 2026

DISPARLON® SEI-1501 is a surface-free-energy-increasing agent composed of acrylic polymer. Unlike general surface control agent, DISPARLON® SEI-1501 improves intercoat adhesion and wetting property of a topcoat by increasing the surface free energy of a primer and imparts hydrophilic property to coating film. DISPARLON® SEI-1501 also improves the wetting and leveling properties of substrates.

TYPICAL PROPERTIES

The following figures are typical properties, not to be used for specification.

Appearance	Clear to light yellow liquid
Active matter	100 %
Density (20 °C)	1.058 g/cm^3
Viscosity (20 °C)	2.0 Pa·s

ADVANTAGES

- Increases surface free energy of a coating film.
- Improves intercoat adhesion and wetting property of a topcoat.
- Imparts hydrophilic property to a coating film.
- Liquid form for easy incorporation.
- Solvent-free.
- Silicone-free, Fluorine-free.

APPLICATION

DISPARLON® SEI-1501 can be used in solvent-borne and solvent-free systems and is particularly recommended for UV-curable coatings, automotive coatings, industrial coatings, coil coatings, resist inks, adhesives, and sealants. DISPARLON® SEI-1501 cannot be used in water-borne systems.

INCORPORATION

Addition levels

0.1–3.0 wt% on total formulation.
The optimal additive level should be determined under actual use conditions.

Method

Can be added at any stage of the paint manufacturing process.
Post-addition at a final production stage with a dissolver is recommended.

STORAGE

Turbidity may occur at low temperatures.
In such cases, warm the product at 40–50°C for one day and stir thoroughly before use.

Kusumoto Chemicals, Ltd.
Kusumoto Bldg. 1-11-13 Uchikanda Chiyoda-ku Tokyo,
101-0047 Japan
TEL +81-3-3292-8685
https://www.kusumoto.co.jp/en/

The information provided herein is based on data believed to be reliable, but any recommendations or suggestions made are without guarantee or warranty, since the conditions of use are outside our control. All products are sold on the condition that purchasers shall make their own tests to determine the suitability of such products for their purpose and that all risks are assumed by the user. We disclaim any responsibility for damages resulting from careless or improper handling or use. Nothing herein is to be taken as permission, inducement, or recommendation to practice any patented invention without a license. Please refer to the SDS for safe handling before use.
© 2016-2026 Reserved By Kusumoto Chemicals, Ltd.