

DISPARLON® AQ-D391 (Dispersant for water-borne systems)

DISPARLON® AQ-D391 is a pigment wetting/dispersing agent composed of a polyether-modified polycarboxylic acid and is highly effective for dispersing organic/inorganic pigments such as carbon black and titanium dioxide. DISPARLON® AQ-D391 reduces the viscosity of high pigment loading systems and improves color strength and DOI. A well-dispersed pigment paste can be obtained easily by dispersing the mixture of DISPARLON® AQ-D391, pigments and water in a sand mil.

ADVANTAGES

- Excellent pigment wetting and dispersing properties
- Effective for a wide range of pigments and fillers
- Improves gloss, DOI, color strength and hiding power

APPLICATIONS

DISPARLON® AQ-D391 can be used in a wide range of water-borne coatings.

DISPARLON® AQ-D391 can be used for various water-borne inks such as inkjet inks, gravure inks, and flexographic inks.

INCORPORATION

- Additive levels : 2.5 – 25 wt% for inorganic pigments and body pigments
25 – 100 wt% for organic pigments and carbon black
The optimal additive level should be determined under an actual use condition.
- Method : Addition at a grinding/dispersing stage is recommended.

TYPICAL PROPERTIES

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

Appearance	Light yellow to dark brown liquid
Active matter	40 %
Acid value	11
Solvent	Water



Kusumoto Chemicals, Ltd.

11-13, UCHIKANDA 1-CHOME, CHIYODA-KU, TOKYO JAPAN
(TEL) 81-3-3292-8685 (FAX) 81-3-3295-6079

The information on use is based on data which are believed reliable, but any recommendation or suggestion made are without guarantee or warranty, since the conditions of use are outside our control. All products are sold on the conditions that purchasers shall make their own tests to determine the suitability of such products for their purpose and that all risks are assumed by 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. See SDS for safety handling before to use.

© 2025 All Rights Reserved By Kusumoto Chemicals, Ltd.