

Technical Data Sheet

Paint / Coating Chemical

Polymeric Dispersing Agent

MERCOLAN RA-40

Description

Mercolan RA-40 is a highly effective and low viscosity dispersing agent based on acrylic chemistry. It is especially suitable for the dispersion of inorganic pigments in water-borne coating systems.

Mercolan RA-40 is based on an organic polymer and provides improved storage stability of both pigment dispersion and formulated paint when compared with inorganic dispersing agents such as polyphosphate products. There is little or no adverse reaction to high temperatures or PH systems.

Specification

Appearance	Clear Pale Yellow Liquid
Nature	Ammonium salt of polyacrylic acid
Active content, %	40 ± 1
Viscosity, cPs	400
Density, gr/cm³	1.29 – 1.30
Solubility in water	soluble
pH (1:10 solution)	7 – 8
Packing	200 KG PE Drums or 1000 KG IBC Tanks
Shelf life	6 months
Storage conditions	Containers should be well sealed to prevent

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water evaporation and skin forming. The product must be stored between 5-25°C. Freezing and direct sun light must be avoided.

Applications

Mercolan RA-40 preparations are ideal dispersing agents for a wide range of water-based coatings. They can be used as supplied.

The neutralizing alkali used in conjunction with the acrylic polymer can significantly impact the properties of the final coating. **Mercolan RA-40** releases ammonia during the drying process and therefore has little impact on the resistances to water and alkali of dry film. The use of **Mercolan RN-40** should be limited to pH 5 – 10.5 and temperatures lower than 70 °C due to potential loss of volatile ammonia.

Recommended dosage for this product is generally advised as 0.5–2.0 % on total pigment weight but it is strongly recommended to run trials before final usage.

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NOTE: To the best of our knowledge and technical experiments, the above data is true and accurate. Given the variety of consumption fields, it is recommended to evaluate the information before use.