

Product Specification

REWOPAL® BN 13

Product description

REWOPAL® BN 13 is a non-ionic solubilizer and hydrotrope of β -Naphthol polyethoxylate type.

Due to its excellent solubility properties REWOPAL® BN 13 can be used as co-emulsifier in electroplating formulations.

Physical properties

Appearance	Clear, yellow liquid
Active content	Min. 99 %
Density	Approx. 1.1 g/cm ³
Flash point	> 175 °C
Viscosity (25 °C) (Brookfield)	Approx. 500 mPas
Water content	Max. 1.0 %
Cloud point	Approx. 82 °C

Application

REWOPAL® BN 13 is a non-ionic surfactant for use in the electroplating industry and allied industries. It is also used to formulate brightener additives employed in the electroplating industry.

REWOPAL® BN 13 is particularly effective as an auxiliary brightener in acid zinc electrolytes for increasing the throwing power and improving ductility.

Benefits

Formulations using REWOPAL® BN 13 provide the following benefits:

Besides excellent co-emulsifying properties BN 13 offers unique solubilizing effects for top brighteners.

Increase the cloud point of zinc plating bath.

Dosage

REWOPAL® BN 13 is added at a level between 2 to 6 g/l into the electrolyte bath.

Registration

The ingredients of REWOPAL® BN 13 are listed in the following chemical inventories:

EINECS

Packaging

800 kg pallet (4 x 200 kg drums)

Storage conditions

The product can be stored in sealed original package at temperatures between 20 °C and 30 °C for at least 24 months after date of delivery.

Hazardous goods classification

Information concerning

- classification and labelling according to regulations for transport and for dangerous substances
- protective measures for storage and handling
- measures in case of accidents and fire
- toxicity and ecological effects

is given in our material safety data sheets.

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