

## REPSOL REDEMUL RUB

### COPOLYMER AND WAX EMULSION, SUITABLE FOR FOOD CONTACT

#### Description

REPSOL REDEMUL® RUB is an aqueous emulsion of copolymers and paraffin designed for use as a coating for packaging and, more specifically, for packaging used in the food sector, so they meet the FDA Regulation, Food Code, for products in contact with food.

REPSOL REDEMUL® RUB is formulated with a blend of copolymers and waxes which have been carefully selected and treated to guarantee the best waterproofing performance of the packaging by forming a hydrophobic and oleophobic film or barrier on its surface. This effect can be controlled with the amount of product used, so you can achieve a waterproof paper or cardboard surface. The group of surfactants used to emulsify these copolymers and paraffin has been selected to ensure the stability of the product, both during transport and handling.

REPSOL REDEMUL® RUB is characterized by its high coating capability, an excellent barrier effect against grease, oils and water vapour, non-slip effect, high stability during handling and storage and a high resistance to hard water.

#### Applications

REPSOL REDEMUL® RUB is specially recommended for coating all types of paper and wooden or cardboard boxes for the transport of food and, in general, for any kind of application on packages that may come into contact with food.

It is applied using the same techniques as those for traditional paraffin emulsions used in the paper and cardboard industry.

#### Presentations

REPSOL REDEMUL® RUB is supplied in 200 L barrels and/or in 1000 L containers.

They must be kept in closed containers with vent to atmosphere, protected from abrupt temperature changes at between 10 and 30°C. Protect from cold temperatures.

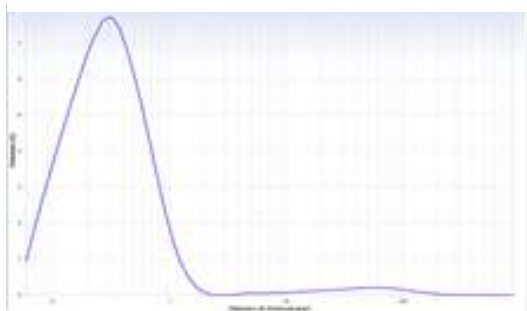
#### Applicable regulations

- European Directive 2002/72/ECC and its amendments
- Recommendation from BfR XXV.A
- FDA 21CFR: 172.886 (apt.B), 176.170, 176.180, 176.200, 176.210
- European Pharmacopoeia 2002, Monographic 1034 (Macrocrystalline Paraffins)
- Regulations 1935/2004 and 2023/2006. RD 510/96

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### Particle size distribution



	Unity	Method	RUB 158C	RUB 158	RUB 158D	RUB 158DV
Colour	-	IT PAL-100	B	B	B	B
Brookfield Viscosity 25 °C, SP 2/12 rpm	mPa.s	IT PAL-101	< 2000	< 2000	< 1000	< 2000
Solids	%p	IT PAL-104	35-37	29-31	23-25	23-26
pH	-	IT LAB-100	7-9	7-9	7-9	7-9
Average particle size	µm	IT LAB-312	<5	<5	<5	<5
Mechanical stability	-	IT PAL-102	Stable	Stable	Stable	Stable
Stability with hard water	-	IT PAL-103	Stable	Stable	Stable	Stable
Density (g/ml) at 20 °c		ASTM D4052	0,99	0,99	0,99	0,99

Unless otherwise indicated, the values presented in the technical data should be considered as typical values.