



EMULTROL PS-2470

DESCRIPTION

EMULTROL PS-2470 is a water-based polydimethylsiloxane emulsion. The special thing at EMULTROL PS-2470 is the good stability of the Emulsion, which even maintain at dilution. The product distinguish itself through its good surface wetting properties. The oil phase is high viscosity and is more efficient as a release agent than lower viscosity silicone emulsions. It is used for the moulding of rubber parts (shoes, tyres, mats...), plastic parts resin bonded sound proofing carpets and shell moulds for metal casting as well as lubricant and anti-adherent for conveyor belts. It is best suitable as releasing agent for fired refractories as they will be needed for offset printing machine folding bars. It acts furthermore as additive in coatings, where it improves the slipping and provides better resistance to mechanical abrasion. It does not contain alkyl phenol alkoxyates (APEO's).

Solid content: 40 %

Average particle size: < 1 micron

TECHNICAL INFORMATION

	Values	Method
Aspect	Whitish liquid	
Composition	Aqueous emulsion of polydimethylsiloxanes	
Density	1,00 ± 0,02 kg/l	
pH value	6 – 8,5	
Viscosity	60 ± 20 mPa.s	RV8, Spindle 2,200 rpm 20 °C
Minimum stability	6 months between 10 and 25 °C	
Precautions	Stir before use. Avoid temperatures below 0 °C. Keep the container closed and in a cool place, away from ignition sources. The product temperature should be at least 10 °C during use.	

ADMISSION FOR THE FOOD INDUSTRY

Emultrol PS-2470 fulfills the food contact compliance according to FDA 175.105, 176.180, 176.200, 176.210, according to BfR Chapter XV and according to the EU Regulation no.: 10/2011.

APPLICATION

The resin emulsion acts as modification component in one and two component aqueous adhesive and adhesive coating systems. This emulsion is added to different based aqueous plastic dispersions to achieve a permanent adhesiveness on bonding surfaces of the films. It is used as well to achieve a long open time. A typical application for this emulsion is for example the modification of aqueous primer dispersion adhesives for the coating of adhesive stripes, labels and film materials. We can specially recommend you EMULTROL PS-2470 for adhesives, where it must be given a high hydrolysis and ageing resistance.

COMPATIBILITY

This resin emulsion is good compatible with all classic and aqueous based adhesives and coating binders. Depending on the application form it must be added 20 -40 % for the modification of permanently adhesive coatings and primers. To achieve an excellent compatibility, the basic polymer dispersions must be adjusted regarding to the pH value.



CLEANSER AND DILUENTS

If EMULTROL PS-2470 must be diluted this should occur with water. Water is also used for the cleaning of pure resin emulsions residues. Dried films and contaminations can be removed for example with hydrocarbons, special petrol, etc. Stirring drums and working tools should be cleaned with water at the end of the production.

STORAGE

At a proper, dry and cool storage in its original drum the storage stability will be at least 6 months. The optimum storage temperature will be between 10 and 25 °C.

PRODUCT SAFETY

This product needs no labelling according to the actual regulations for dangerous goods and to the EG guide lines.

* Further details you can find in our Safety Data Sheet.

PACKAGING


25, 50 and 200 kg drums and 1.000 kg IBC container.





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