

# DOW CORNING® 36 Emulsion

## FEATURES

- Provides natural handle
- Non-yellowing
- Can be used as a thread lubricant

## Mechanical emulsion of a Polydimethylsiloxane fluid

### APPLICATION

- DOW CORNING 36 Emulsion is a mechanical emulsion based on a polydimethylsiloxane fluid (35%) in water. It can be used to provide a natural handle to fabric, and can also be used as a thread lubricant.

### TYPICAL PROPERTIES

Specification writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales representative prior to writing specifications on this product.

CTM*	Property	Unit	Value
0007A	pH		6.5-8.5
0176B	Appearance		Milky white liquid
	Emulsifier type		Non-ionic
0862A or 0208K	Non-volatile content	%	35.5-38

\* CTM: Corporate Test Method, copies of CTMs are available on request.

### BENEFITS

DOW CORNING 36 Emulsion provides a natural hand to fabric and it is non-yellowing. It can be used as a thread lubricant to reduce needle temperature, and wear and thread breakage. It also has good freeze-thaw stability (5 cycles).

### HOW TO USE

DOW CORNING 36 Emulsion can be applied to fabric by padding. The amount of emulsion required will depend on the fabric construction and the type of fabric used (natural, synthetic). Generally, between 10g/l and 40g/l bath concentration is recommended.

### Procedure for padding

1. Scour goods in a non-ionic detergent and rinse thoroughly. Follow with an acid rinse using 2g/l of 80% acetic acid for 5 minutes. This will neutralise any alkali residues from previous processes that may cause pad bath instability and lead to

oil spots on fabrics or gel on the rollers.

2. If crease resist resins or fillers are used, dilute in the mixing tank in accordance with the manufacturers' instructions. If hot, cool to below 30°C before adding the silicone emulsion.
3. Pre-dilute the required amount of DOW CORNING 36 Emulsion with an approximately equal weight of cold water and add to the mixing tank.
4. If crease resist resin catalyst is used, pre-dilute with an equal weight of water and add to the mixing tank.
5. Top up to final volume with cold water.

### Precautions during use

- Start with clean mixing tank, delivery lines, pad box and rolls.
- Dilute the emulsion with cold water only.
- Do not use a high shear stirrer when making finishing liquor.

ATTENTION: Sample formulations are provided for illustrative purposes

only. Dow Corning does not warrant their merchantability, fitness for use, performance, efficacy, safety or freedom from patent infringement. They are not commercial formulations and have not been subjected to extensive testing. It is your responsibility to thoroughly test any formulation before use.

## **HANDLING PRECAUTIONS**

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE FROM YOUR LOCAL DOW CORNING SALES REPRESENTATIVE.

## **USABLE LIFE AND STORAGE**

When stored at or below 35°C in the original unopened containers, this product has a usable life of 15 months from the date of production.

## **PACKAGING**

This product is available in 200kg and 1000kg quantities.

Samples are available in 1kg quantities.

## **LIMITATIONS**

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

## **HEALTH AND ENVIRONMENTAL INFORMATION**

To support customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Health, Environment and Regulatory Affairs specialists available in each area.

For further information, please consult your local Dow Corning representative.

## **WARRANTY INFORMATION - PLEASE READ CAREFULLY**

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that Dow Corning's products are safe, effective, and fully satisfactory for the intended end use. Dow Corning's sole warranty is that the product will meet the Dow Corning sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. Dow Corning specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Unless Dow Corning provides you with a specific, duly signed endorsement of fitness for use, Dow Corning disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent.