

## Technical Data Sheet

### 46 EMULSION

Aqueous emulsion of polydimethylsiloxane

#### Features & Benefits

- Ready to use non-ionic emulsion
- Provides gloss and water repellency
- Good wetting and slip characteristics
- General purpose release agent including web release
- Imparts softening and lubrication to textiles
- Does not contain alkylphenoethoxylates (APEO)
- Complies with Detergent Regulation (EC) No. 648/2004
- Good emulsion stability up to 50°C
- Good dilution stability up to 2% in water
- Good freeze thaw stability (5 cycles)

#### Applications

- 46 EMULSION has been specially formulated for use as polish ingredient and release agent/lubricant either "as received" or "pre-diluted" with water. Its formulation, stability and efficiency can lead to a variety of applications. These includes:
  - As ingredient in polishes, 46 Emulsion is used to provide good gloss with minimum smear in both car and furniture polish formulations
  - Mould release of:
    - Rubber or plastic parts (stoppers, screw tops, bungs, etc.)
  - Lubrication of:
    - Extruded rubber parts; conveyor belts
  - Textile lubricant:
    - Yarn manufacture
    - Sewing thread lubrication
    - Hosiery manufacture
    - Sewing needle lubrication
- Glass fabric exhaust filters

#### Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Test <sup>1</sup>	Property <sup>2</sup>	Unit	Result
	Appearance		White liquid
CTM 0208	Non-volatile content	%	61-66
CTM 0097	Specific gravity	g/ml	1.0

CTM 0007	pH	7.0–9.5
	Emulsifier type	Non-ionic
	Diluent	Water

CTM-Corporate Test Method

## Description

46 Emulsion is a 60% actives non-ionic emulsion formulated with a polydimethylsiloxane. Because of its non-ionic nature, it can be used in a variety of systems, such as non-ionic, anionic, cationic surfactant or polymer systems without forming a complex. Extensive testing has shown that ADARSHA 46 Emulsion performs comparably to its predecessor and offers better dilution stability at 20% solids

## How To Use

46 EMULSION can be used as received or in diluted form

### Procedure for padding:

1. Scour goods in a non-ionic detergent and rinse thoroughly. Follow with an acid rinse using 2 g/ml of 80% acetic acid for 5 minutes. This will neutralize 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 46 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

## Handling Precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS

## Usable Life And Storage

When stored at or below 35°C in the original unopened containers, 46 EMULSION has a usable life of 12 months from the date of manufacture.

## **Packaging Information**

This product is available in 50KG Carboy & 200KG Drums

For more information visit our website-[www.adarshachemicals.com](http://www.adarshachemicals.com)

## ADARSHA

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