

# SIPELL® RE 63 F



## Functional Silicone Fluids

SIPELL® RE 63 F is a pendant epoxy functional polydimethylsiloxane.

## Properties

SIPELL® RE 63 F is used as a basic material for the formulation of water-based water repellents, especially for the wet-end application on leather. The epoxy function is suitable to react with nucleophilic groups of the protein matrix. Especially amino as well as hydroxyl and mercapto groups could react to form a chemical bonding with the epoxy function of the silicone. The water repellent effect is therefore not dependant on chromium tanned leather.

## Technical data

### General Characteristics

Property	Condition	Value	Method
Viscosity, kinematic	25 °C	approx. 300 mm <sup>2</sup> /s	DIN 51562-1
Appearance	-	clear to slightly turbid, brownish fluid	-
Epoxy number <sup>(1)</sup>	-	0.03 mol / 100 g	-

<sup>1</sup>acc. DIN EN ISO 3001

These figures are only intended as a guide and should not be used in preparing specifications.

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

## Applications

- Textile & Leather
- Textiles & Leather
- Wet End

## Application details

If water-based formulations of SIPELL® RE 63 F are made, care needs to be taken on the selection of the emulsifier to avoid effect reducing hydrophilicity. The application of the formulated water repellents is recommended in the wet-end process. Pre-tests are recommended in order to avoid incompatibility with the fat liquors.

## Packaging and storage

### Packaging

SIPELL® RE 63 F is available in

- 190 kg drum
- 950 kg IBC

### Storage

Store in a dry and cool place.

The 'Best use before end' date of each batch is shown on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

## Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

## QR Code SIPELL® RE 63 F



### For technical, quality or product safety questions, please contact:

**Wacker Chemie AG**, Gisela-Stein-Strasse 1, 81671 Munich, Germany  
[productinformation@wacker.com](mailto:productinformation@wacker.com), [www.wacker.com](http://www.wacker.com)

The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this medium should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.