

## Product Information

## TEGO® RC 800

## PRODUCT DESCRIPTION

TEGO® RC 800 is a solvent-free silicone acrylate for paper and film release coatings. It is used as an additive to help provide controlled and tight release values in combination with either TEGO® RC 715/ TEGO® RC 722 or TEGO® RC 902/ TEGO® RC 722.

## Typical Properties

Property	Unit	Value
Activity	%	100
Appearance		clear to slightly turbid
Color		amber
Flash Point, min. DIN EN 22719	°C	100
Specific Gravity at 25 °C DIN 51757	g/ml	1.0
Viscosity at 25 °C DIN 53015	mPa·s	300-600

The data represents typical values (no product specification)

## TYPICAL APPLICATIONS

TEGO® RC 800 is used for the manufacture of release coatings with controlled release properties for self-adhesive products, e. g.

- Self-adhesive labels
- Self-adhesive tapes
- Hygiene products
- And many more

## BENEFITS &amp; ADVANTAGES

- TEGO® RC 800 is a tight and controlled release component that provides simple processing, fast reaction time and good aging properties
- Release coatings prepared with TEGO® RC 800 exhibit smooth release behaviour, consistent release values over a wide range of stripping speeds and are especially well suited for achieving differential release properties

## HANDLING &amp; PROCESSING

TEGO® RC 800 may be cured with ultraviolet radiation (UV) by adding a suitable photoinitiator. We recommend 2% TEGO® Photoinitiator A18 and medium pressure mercury UV lamps with nitrogen inerting. It may also be cured by means of electron beam.

## Suitability tests

Before using any new silicone formulation, Evonik recommends checking that the final product meets the target requirements. This includes but is not limited to:

- Compatibility of release coating against tar-geted adhesives using aging tests at both low and high temperatures
- The influence of electron beam or Gamma irradiation on aging and release, e.g. sterilization
- The influence of secondary UV exposure on release and aging, e.g. when curing UV prin-ting inks on label stock with a clear face stock

Thermal aging or post-irradiation may cause a property change in the final product.

## PACKAGING

25 kg (55 lbs) in PE canister 30 l

Pallet size: 12 x 25 kg = 300 kg

200 kg (440 lbs) steel tight-head drum 200 l

Pallet size: 4 x 200 kg = 800 kg

1000 kg (2 200 lbs) in PE IBC 1000 l

## SHELF LIFE

It is recommended that TEGO® RC 800 is stored in the dark at temperatures not exceeding 30°C (86 °F). Under these conditions, when stored in the original, closed containers the storage stability of TEGO® RC 800 is 12 months.

## HAZARDOUS SUBSTANCE

Information concerning

- Classification and labelling according to regulations for transport and for dangerous substances
- Protective measures for storage and handling
- Measures in case of accidents and fire
- Toxicity and ecological effects

is given in our material safety data sheets.

### Disclaimer

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### Evonik Operations GmbH

Interface & Performance  
Goldschmidtstraße 100  
45127 Essen, Germany  
Phone Europe +49 201 173-2665  
Phone Asia +86 21 61191 125  
Phone Americas +1 804 727 0700  
interface-performance@evonik.com  
[evonik.click/interface-performance](https://evonik.click/interface-performance)