



TAI COUNTY



# RX-4055

Block Copolymerized Trifunctional Co-polyhydroxyalkyl Silicone Oil for Cotton  
2025/11/21 Draft. PDS

## Description

RX-4055 is a block copolymerized trifunctional co-polyhydroxyalkyl silicone oil, suitable for softening and finishing treatment in various fiber, especially in cotton and cotton blends. It imparts excellent softness, smoothness, elasticity, and a feather-like soft touch to fibers and leather.

## Characteristics

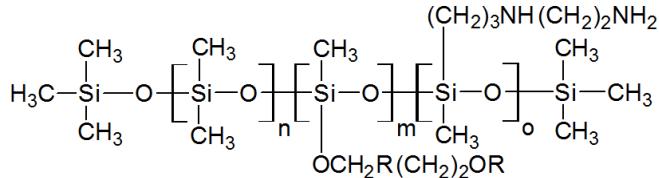
- Excellent pH resistance.
- Compatible with cationic and anionic softeners
- Suitable for secondary processing such as re-adhesion
- Exhibits antibacterial, antifungal, and antistatic effects
- Excellent hydrophilicity and thermal resistance.

## Properties

Appearance	Milky white yellowish liquid
Active ingredient(%)	40.0%
pH(5%Solution,25°C)	5.5±0.5
Ionic type	Cationic
Diluent	Water

- Modified cationic, can be mixed with most anionic components
- RX-4055 without any water-based solvents added whatsoever

## Structure



## Storage & packaging

When stored in its originally sealed packaging at 5°C - 40°C, this product may be stored for up to 8 months from its manufacturing date. Comply with the storage instructions marked on the packaging. Once past this expiration date, TAI COUNTY CHEMICAL no longer guarantees that the product meets the sales specifications.

Product comes in 120kg HDPE blue drums loading  
100KG(All breathable).

## Applications

- Suitable for short fiber fabrics such as cotton and blends, enhancing the hand feel and hydrophilicity
- Can be added directly for use

## Processing

- Padding process

RX-4055	:8~25 g/L
Soaking temperature	:Room temperature
Setting temperature	:150°C/2.5mins
(Depending on the actual conditions, you can adjust the usage amount.)	

**\*Attention!! If diluted and stored for more than 48 hours, please be sure to stir thoroughly before use!!**

The information contained in this manual is given based on our current knowledge and good faith. It is indicative only and not binding, especially regarding the impact on third-party rights during product use. TAI COUNTY CHEMICAL ensures the products it sells conform to specifications. Only necessary preliminary tests can determine if a product is suitable for specific applications, and this information cannot replace such tests. Users are responsible for ensuring compliance with local legislation and obtaining necessary usage certificates and authorizations. Users are requested to check if they have the latest version of this document, and TAI COUNTY CHEMICAL is always ready to provide additional information to customers.

## TAI COUNTY CHEMICAL

TAIPEI Factory: NO. 91, Museum Rd., Bali Township, Taipei County 24947, Taiwan  
FACTORY REGISTRATION NO: 99.695614.00  
YUNLIN Factory: NO. 1, Changqing St., Lunbei Township, Yunlin County 63745, Taiwan  
FACTORY REGISTRATION NO: 09000892  
Tel: 886-2-2610-4457  
Fax: 886-2-2610-1363  
E-MAIL : [service@taicounty.com.tw](mailto:service@taicounty.com.tw)  
[www.taicounty.com.tw](http://www.taicounty.com.tw)