



RS-45

Fatty Alcohol Modified Silicone Emulsion

2025/01/10 Draft. **PDS**

Description

RS-45 is a fatty alcohol-modified product, different from traditional dimethyl silicone oil release agents. It is a silicone oil modified with fatty-based copolymers, making it suitable for various processing needs. The key advantage of RS-45 is its superior resistance to high alkalinity, strong acids, and high temperatures, which traditional products cannot match. Additionally, it does not affect secondary processing, bonding, or printing and coating processes.

Characteristics

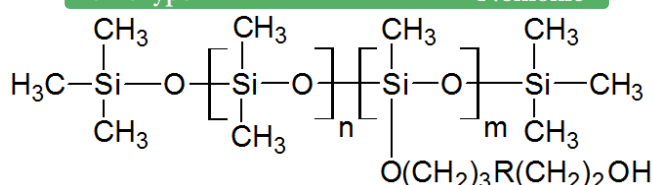
- Resistant to high alkalinity, strong acids, and high temperatures
- Directly dispersible in water
- Miscible with various organic solvents
- Excellent recoating properties; surfaces of rubber, plastic, or metal can be coated directly after release treatment without additional surface cleaning
- Excellent temperature resistance and glossiness

Properties

Appearance Milky white liquid

Active ingredient(%) 45.0%

Ionic type Nonionic



Safety

This document does not contain the safety information required for the product. Please read the safety data sheet for this product before use.

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 20KG HDPE green drums and 120kg HDPE blue drums loading 100KG(All breathable).

Applications

- Suitable for secondary processing such as bonding and printing
- Release agent for PU, rubber, and plastic materials
- Dispersion of powders and granules
- Improves leveling and enhances brightness in inks and paints
- Acts as a release agent on low melting point alloys and PU, providing excellent glossiness without the need for additional surface treatment
- Provides softness, smoothness, water absorption, and anti-static effects for fibers and leather

Processing

- Please dilute and disperse to a 1% to 3% solution before use.

(Depending on the actual conditions, you can adjust the usage amount.)