

POWSIL™-50435 Nonionic Silicone Emulsion

INTRODUCTION

POWSIL™-50435 is a nonionic polydimethylsiloxane emulsion designed for a wide range of industrial applications. It offers good compatibility with nonionic, anionic and cationic surfactant or polymer systems and provides effective lubrication, polishing, release and softening properties.

It has excellent emulsion and dilution stability and can be readily diluted with water for use in textile finishing, mold release, polishing and other surface treatment applications.

BENEFITS / EFFECTS

- Nonionic silicone emulsion with broad formulation compatibility
- Excellent emulsion and dilution stability
- Provides good lubricity, gloss and softening properties
- Improves water repellency and surface slip
- Reduces surface tackiness
- Effective mold release performance
- Easily diluted with water
- APEO-free

PHYSICAL PROPERTIES

Appearance	White liquid
Solid Content (%)	35-38
Viscosity (25°C, mPa·s)	4,000-10,000
pH (5% aqueous solution)	7.0-9.0
Flash point (°C)	Min.100
Diluent	Water
Ionicity	Nonionic

These values are typical and are not intended for use as specifications.

APPLICATIONS

POWSIL™-50435 is a versatile silicone emulsion suitable for textile finishing, mold release, surface polishing and other industrial applications. In textile processing, it can be used as a raising auxiliary and lubricant to provide a soft, natural hand feel and improve fabric processing. It is also suitable for release applications involving rubber, polyurethane and plastic products, as well as the manufacture of rubber latex gloves.

POWSIL™-50435 can also be used in leather and furniture care, automotive

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and tire polishing, and other surface treatment formulations where gloss, lubrication, reduced tackiness or water repellency is required.

USAGE GUIDELINES

POWSIL™-50435 may be applied directly or after dilution with water. Conventional application methods include spraying, dipping, padding, exhaustion, wiping and brushing.

Low-hardness water is recommended for dilution. A typical starting dilution is 1 part POWSIL™-50435 to 20 parts water. The optimum concentration and application conditions should be determined according to the formulation and intended use.

Compatibility testing is recommended before use in combination with other additives.

PACKING

POWSIL™-50435 is packaged in net weight 50Kg and 120Kg plastic drum.

STORAGE

POWSIL™-50435 has a shelf life of 9 months when stored in its unopened original container at below 40°C in a dry and cool place. While storage beyond the recommended shelf life does not necessarily render the product unusable, it is important to check the product's properties for the intended use to ensure quality and performance, especially for quality assurance purposes.

HANDLING

This document does not contain the product safety information required for safe use. Before handling, please refer to the product and safety data sheets, as well as container labels, for information on safe usage, physical hazards, and health risks. Safety Data Sheet is available on the website, from the distributor, or by contacting SiSiB customer service.

NOTE

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

We specifically disclaim any other express or implied warranty of fitness for

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a particular purpose or merchantability.

We disclaim liability for any incidental or consequential damages.