



DOWSIL™ BY 22-818 EX Emulsion

Milky-white silicone emulsion for textile treatment

Features & Benefits

- Imparts softness and smooth texture
- Good wrinkle recovery
- Less yellowing compared to amino-silicone-base softener

Composition

- Epoxy silicone
- Nonionic surfactants
- Anionic surfactant
- Water
- (Active content: 40%)

Applications

- Fiber lubricant
- Textile softener

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Property	Unit	Result
Appearance		Milky-white liquid
pH		5.0–8.0
Non Volatile Content	%	37.0–43.0
Recommended Diluent		Water

Description

DOWSIL™ BY 22-818 EX Emulsion is a milky-white emulsion containing epoxy functional silicone. Treating textile with this emulsion can impart it with soft and smooth texture because of the lubricating nature of silicone.

How to Use

For textile treatment, DOWSIL™ BY 22-818 EX Emulsion may be applied with or without dilution, or formulated with other ingredients, using conventional application methods such as padding. Users should determine the best dosage and application method through a small-scale test prior to production-scale usage. Below is an example of a textile treatment test.

How to Use (Cont.)

Textile treatment example at lab:

1. Prepare bath: mix DOWSIL™ BY 22-818 EX Emulsion, water, additives, others
2. Usage amount: 1% epoxy silicone relative to the weight of fabric
3. Padding: dip and nip (1 pass)
4. Dry and cure at 180°C for 30 sec

**Handling
Precautions**

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

Limitations

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

**Health and
Environmental
Information**

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, dow.com or consult your local Dow representative.

**Disposal
Considerations**

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

**Product
Stewardship**

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

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