



DOWSIL™ Q2-3195 Thread Lubricant

Used as a lubricant for high speed sewing threads

Features & Benefits

- Effective lubrication of sewing threads used at high speeds
- Provides compatibility with various polar organic materials

Composition

- Blend of silicone fluids

Applications

- Thread lubricant

Typical Properties

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

Property	Unit	Result
Viscosity at 25°C	cSt	330–470
Contamination, Stability Centrifuge, Type B	%	1.0 max

Description

DOWSIL™ Q2-3195 Thread Lubricant is an organocompatible silicone blend that allows the thread finish formulator to combine the lubricating properties of silicone with properties from organic materials such as static or stick-slip elimination.

Uses

DOWSIL™ Q2-3195 Thread Lubricant can be formulated into stable dispersions with various polar organic materials that are normally incompatible with silicones. These dispersions, when applied to threads, provide the inherent silicone lubricity, yet also provide the desired properties of the added organic material.

How to Use

Formulating a liquid finish is similar to typical emulsion thick-phase preparation. Heat is applied to melt any ingredients that are solid at room temperature, such as wax. The mechanical action of a propeller-type mixer is typically adequate to break the wax into smaller particles that are dispersed into the DOWSIL™ Q2-3195 Thread Lubricant matrix. As with other emulsions, the stronger the mixing, the smaller the particles. However, a propeller mixer rotating at 150 to 200 rpm will usually reduce particle size to the 1 to 5 micron range in 30 to 45 minutes.

How to Use (Cont.)

Mixing procedures are as follows (to prepare a wax containing formulation):

1. Add wax and DOWSIL™ Q2-3195 Thread Lubricant to a heated vessel.
2. Heat to melt the wax (5 to 10 degrees above the wax melting point).
3. Stir with a propeller mixer for 30 to 45 minutes, maintain the elevated temperature used in step 2.
4. Turn off heat and cool rapidly while stirring.
5. When the mixture has reached room temperature, slowly add additional XIAMETER™ PMX-200 Fluid (optional).

**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.

**Usable Life and
Storage**

Product has a shelf life of 900 days when stored at less than 32°C (90°F) in original, unopened containers.

**Packaging
Information**

DOWSIL™ Q2-3195 Thread Lubricant is available in 200 kg drums and 500 mL bottles.

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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