



## Technical Data Sheet

### DOWSIL™ 5-7210 LF Emulsion

A high molecular weight silicone emulsion

#### Features & Benefits

- Provide abrasion resistance to leather topcoats
- Improved the wet rub resistance of leather topcoats
- BTX free product
- Wet and dry rub abrasion resistance
- Softness
- Aqueous emulsion

#### Composition

- Water dispersion of a high molecular weight silicone

#### Applications

- Leather top coating multipurpose performance additive
- The emulsion is added to water based binders to provide better abrasion resistance

#### Typical Properties

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

Test <sup>1</sup>	Property	Unit	Result
CTM 0010 AA	Non-volatile content	%	68.0
CTM 0176 B	Appearance		White creamy emulsion
CTM 0050 AL	Viscosity	cPs	3000–6500
CTM 0007 A	pH		7–11

1. CTM: Corporate Test Method, copies of CTM's are available on request.

#### Description

DOWSIL™ 5-7210 LF Emulsion is a water dispersible silicone emulsion suitable for aqueous based polyurethane and acrylic leather top coatings.

#### How to Use

DOWSIL™ 5-7210 LF Emulsion is generally added at concentrations ranging from 0.5 to 5 weight percent based upon total formulation. Due to low product viscosity, no predilution step is necessary. Thorough preproduction testing is necessary to ensure expected performance.

DOWSIL™ 5-7210 LF Emulsion may stratify with time. It is recommended to mix before use to ensure homogeneity.

<b>How to Use (Cont.)</b>	The concentration of silicone required to give the desired properties will depend on the leather construction and the polymer system.
<b>Handling Precautions</b>	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.
<b>Usable Life and Storage</b>	DOWSIL™ 5-7210 LF Emulsion should be protected from freezing and stored above 0° C (32° F) in approved original and unopened container with a shelf life of 360 days.
<b>Packaging Information</b>	DOWSIL™ 5-7210 LF Emulsion is available in 18 kg pail, 190 kg drum and 950 kg IBC.
<b>Limitations</b>	This product is neither tested nor represented as suitable for medical or pharmaceutical uses.
<b>Health and Environmental Information</b>	<p>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.</p> <p>For further information, please see our website, <a href="http://dow.com">dow.com</a> or consult your local Dow representative.</p>
<b>Disposal Considerations</b>	<p>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.</p> <p>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.</p>
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<b>Customer Notice</b>	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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