



Technical Data Sheet

MATERIAL:	Polymethyloctadecylsiloxane														
CATALOG NUMBER:	798														
CAS NUMBER:	68607-75-0														
DESCRIPTION:	Methyloctadecylsiloxane homopolymer														
FORMULA:	Unspecified														
TYPICAL PROPERTIES:	<table><tr><td>Appearance:</td><td>Waxy solid</td></tr><tr><td>Approx Mw:</td><td>11,000</td></tr><tr><td>Density:</td><td>0.886</td></tr><tr><td>Refractive index:</td><td>n_D^{20} 1.443</td></tr><tr><td>Pour point:</td><td>50°C</td></tr><tr><td>Flash point:</td><td>482°F</td></tr><tr><td>Solubility:</td><td>Chloroform, THF, toluene; insoluble in water</td></tr></table>	Appearance:	Waxy solid	Approx Mw:	11,000	Density:	0.886	Refractive index:	n_D^{20} 1.443	Pour point:	50°C	Flash point:	482°F	Solubility:	Chloroform, THF, toluene; insoluble in water
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GENERAL INFORMATION:	<p>Replacement of a methyl group with longer chain aliphatic moieties produces silicones with properties that more closely resemble hydrocarbons. When compared to polydimethylsiloxanes, methylalkylsiloxanes have greatly improved lubrication characteristics and greater compatibility with organic materials. Methylalkylsiloxanes reduce surface tension of many non-aqueous solvents allowing them to act as wetting and leveling agents in coating and ink formulation. Polymethyloctadecylsiloxane is compatible with paraffin wax and has been used as a component in thread and fiber lubricant formulations and as a process aid in melt spinning.</p>														
STRUCTURE:															

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