

# SILCOLEASE PC-94

<b>Description</b>	<p><b>SILCOLEASE™ PC-94</b> is an emulsion of Dioctyl Tin Dilaurate. This is the catalyst component of a silicone release formulation and promotes polymerization through a polycondensation reaction. <b>SILCOLEASE™ PC-94</b>, when properly formulated with a release polymer emulsion, provides a thermally curable release coating for paper substrates.</p>									
<b>Examples of applications</b>	<ul style="list-style-type: none"> <li>• Labels</li> <li>• Industrial / composites</li> </ul>									
<b>Key benefits</b>	<ul style="list-style-type: none"> <li>• Can be used with most polycondensation systems</li> <li>• Dilution stable</li> <li>• Shear stable</li> </ul>									
<b>Typical properties</b>	<table border="1"> <tr> <td></td> <td>SILCOLEASE PC-94</td> </tr> <tr> <td>pH ISO 976</td> <td>4.8</td> </tr> <tr> <td>Dry content ISO 3251</td> <td>40.5 %</td> </tr> <tr> <td>Cure rate</td> <td>&lt; 50 s</td> </tr> </table>			SILCOLEASE PC-94	pH ISO 976	4.8	Dry content ISO 3251	40.5 %	Cure rate	< 50 s
		SILCOLEASE PC-94								
pH ISO 976	4.8									
Dry content ISO 3251	40.5 %									
Cure rate	< 50 s									
	<table border="1"> <tr> <td>Appearance</td> <td>Milky, White Liquid</td> </tr> <tr> <td>Specific Gravity</td> <td>1.0</td> </tr> <tr> <td>% Non-Volatiles</td> <td>41</td> </tr> <tr> <td>pH</td> <td>4.0 - 5.5</td> </tr> </table>		Appearance	Milky, White Liquid	Specific Gravity	1.0	% Non-Volatiles	41	pH	4.0 - 5.5
Appearance	Milky, White Liquid									
Specific Gravity	1.0									
% Non-Volatiles	41									
pH	4.0 - 5.5									
	<p>Please note: The typical properties listed in this data sheet are not intended for use in preparing specifications for any particular application of SILCOLEASE™ silicone materials. Please contact our Technical Service Department for assistance in writing specifications.</p> <p>Please note: The typical properties are not intended for use in preparing specifications. Please contact our local Sales Department for assistance in writing specifications.</p>									
<b>Instruction of use</b>	<p>Bath Preparation typical -</p> <ol style="list-style-type: none"> <li>1. Add the release emulsion polymer to a clean mixing vessel and continuously agitate at a moderate rate. High shear is NOT recommended.</li> <li>2. With the agitator running, slowly and continuously add the amount of water necessary to achieve the desired bath solids. Mix until uniformly dispersed.</li> <li>3. Finally, slowly add the <b>SILCOLEASE™ PC-94</b> catalyst to the bath and agitate until fully dispersed.</li> </ol>									
<b>Regulation</b>	Please consult your local ELKEM SILICONES sales office.									
<b>Limitations</b>	Please consult your local ELKEM SILICONES sales office.									
<b>Packaging</b>	<ul style="list-style-type: none"> <li>• SILCOLEASE PC-94 is available in                             <ul style="list-style-type: none"> <li>○ Pail of 20 KG (44.1 LB)</li> </ul> </li> </ul>									
<b>Storage and shelf life</b>	<p>When stored in its original packaging:</p> <p>SILCOLEASE PC-94 may be stored for up to 9 months from its date of manufacturing. Comply with the storage instructions and expiration date marked on the packaging. Beyond this date, Elkem Silicones no longer guarantees that the product meets the sales specifications.</p>									
<b>Safety</b>	Please consult the Safety Data Sheet of: SILCOLEASE PC-94									

## SILCOLEASE PC-94

### Warning to the users

The information contained in this document is given in good faith based on our current knowledge. It is only an indication and is in no way binding, particularly as regards infringement of or prejudice to third party rights through the use of our products. ELKEM SILICONES guarantees that its products comply with its sales specifications. This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for given use. Determination of the suitability of product for the uses and applications contemplated by users and others shall be the sole responsibility of users. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorisations. Users are requested to check that they are in possession of the latest version of this document and ELKEM SILICONES is at their disposal to supply any additional information.