

**Capa<sup>®</sup> Monomer****GENERAL PRODUCT DESCRIPTION**

Caprolactone monomer is a colourless, mobile liquid. The lactone ring is relatively easily opened by compounds containing active hydrogen atoms such as alcohols. Each ring opening step forms a terminal, primary hydroxyl group. It is particularly valuable as a flexibilising monomer in formulating thermosetting acrylic resins and unsaturated polyester gel coats. It can also be used as a reactive diluent in epoxy resins.

**TYPICAL PROPERTIES**

<b>Boiling Point</b>	<b>232 °C with decomposition</b>
<b>Melting Point</b>	<b>-1 °C</b>
<b>Viscosity (cps at 20 °C)</b>	<b>6.67</b>
<b>Specific Gravity (20 °C)</b>	<b>1.079</b>
<b>Flash Point (closed cup)</b>	<b>127 °C</b>
<b>Refractive Index n<sup>D</sup><sub>20</sub></b>	<b>1.4629</b>
<b>Assay</b>	<b>99.9% min.</b>

**SOLUBILITY PARAMETERS**

The solubility parameter ( $\delta$ ) is 10.15 (cal/cm<sup>3</sup>)<sup>1/2</sup>.

**HANDLING AND STORAGE**

Caprolactone monomer is supplied in mild steel and high density polyethylene drums containing 200 kg net. It is hygroscopic and slowly hydrolyses in the presence of water. It should therefore be stored in sealed containers at all times.

For further information please contact:

Perstorp UK Limited  
Baronet Road  
Warrington, Cheshire WA4 6HA  
United Kingdom  
Tel. +44 (0)1925 643500  
Fax. +44 (0)1925 232207  
[contact.capa@perstorp.com](mailto:contact.capa@perstorp.com)  
[www.perstorpcaprolactones.com](http://www.perstorpcaprolactones.com)

Perstorp Specialty Chemicals AB  
SE-284 80 Perstorp,  
Sweden  
Tel. +46 435 38000  
Fax +46 435 37067  
[technical.support@perstorp.com](mailto:technical.support@perstorp.com)  
[www.perstorp.com](http://www.perstorp.com)