

<b>Product Name:</b>	Chlorhexidine
<b>Product Number:</b>	C156
<b>CAS Number:</b>	55-56-1
<b>Molecular Formula:</b>	$C_{22}H_{30}Cl_2N_{10}$
<b>Molecular Weight:</b>	505.446
<b>Appearance:</b>	White or almost white powder
<b>Storage Conditions:</b>	$\leq 30^{\circ}C$
<b>Description:</b>	<p>Chlorhexidine is an antiseptic antibacterial agent commonly used as a disinfectant in eye drops, deodorants, creams, and others. Chlorhexidine is also used as an active ingredient in mouthwash to prevent and control dental plaque.</p> <p>This product is considered a dangerous good. Quantities above 1 g may be subject to additional shipping fees. Please contact us for specific questions.</p>
<b>Mechanism of Action:</b>	<p>Chlorhexidine is a cationic molecule which interacts with and alters the negatively charged bacterial cell wall. This interaction leads to leakage of cellular components at low concentrations and cellular lysis at higher concentrations.</p>
<b>Spectrum:</b>	<p>Chlorhexidine has a broad spectrum of activity and is active against Gram-positive and Gram-negative bacteria as well as yeasts and some viruses.</p>
<b>References:</b>	<p>Jones, Christopher G. "Chlorhexidine: Is It Still the Gold Standard." Periodontology 15 (1997): 55-62.</p>