



**Avalon Chemicals, Inc.**

## TECHNICAL DATA SHEET

<b>Product Name</b>	<b>Azelaic Acid</b>
<b>CAS No.</b>	123-99-9
<b>Chemical Description</b>	1,7-heptanedicarboxylic acid
<b>Other Name</b>	Nonanedioic acid
<b>Description</b>	100% vegetable origin, white to slight yellow crystal or crystal powder.
<b>Application Areas</b>	Synthetic lubricant ester base fluids Complex greases Coatings and resins Poly-amide and poly-ester hot-melt adhesives Monomeric and polymeric plasticizers Corrosion inhibition systems
<b>Packaging</b>	
Pallet Size	55 lb / 25 kg polylined bags 1100 lb/500 kg super sacks



**Avalon Chemicals, Inc.**

## SPECIFICATION SHEET

**Product** : Azelaic Acid

**CAS No.** : 123-99-9

<b>Parameters</b>	<b>Specification</b>
<b>Appearance</b>	White to slight yellow crystal or crystal powder
<b>Melting Point</b>	102 – 110 °C
<b>Acid Value; AOS Te 1a – 64</b>	585 – 610 mgKOH/g
<b>Azelaic Acid; GLC</b>	98 % min
<b>Less than C9</b>	1.5 max
<b>More than C9</b>	1.0 max
<b>Color APHA</b>	250 max
<b>Transmittance @ 440nm</b>	80% min
<b>Transmittance @ 550nm</b>	90% min
<b>Odor</b>	Odorless
<b>Water, w/w</b>	0.2 % max
<b>12-keto</b>	Not available
<b>Monobasic Acid</b>	0.3 max %
<b>Iron</b>	Below 2 ppm