



# Product Data Sheet

Rev. 07/08

## SYLVACLEAR® IM700 Polymeric Polyamine Resin

**SYLVACLEAR® IM700** is a light-colored, modified polyamide resin with low odor and low amine number. It is designed to be the matrix-forming component of cross-linked polyurea articles which contain high levels of fragrance oils or other liquid actives.

Properties	Typical Properties
Color, Gardner, ASTM 6166	0.5
Viscosity, (cps), 40°C, Brookfield, ASTM D2196	1250
Acid Number	1
Amine Number, ASTM D2073 and D2074	39
Density at 25°C, ASTM, D1475 - g/cc	0.87

<b>STABILITY</b>	<b>SYLVACLEAR® IM700</b> may be exposed to air for up to 12 hours at 100°C (212°F) without increasing in color, but nitrogen blanketing is essential for longer molten storage residence times.
<b>PACKAGING</b>	<b>SYLVACLEAR® IM700</b> is available in five gallon pails of approx. 35 pounds net and steel drums of approx. 380 pounds net.
<b>DOT SHIPPING CLASSIFICATION</b>	Non-hazardous.
<b>HANDLING &amp; STORAGE</b>	Material is a viscous liquid at room temperature. Store resin in closed containers and at or below room temperature. As with many resins, oxidation may occur over time resulting in a darkening of the product. This product has low toxicity potential compared with typical amine containing products. See MSDS for details regarding safe handling of this resin.
<b>RECOMMENDED USES</b>	<b>SYLVACLEAR® IM700</b> is generally used with liquid polyisocyanates (NCO Eq. Wt. about 170-190) at a level of about 8-10 parts of polyamide polyamine to 1 part of polyisocyanate. This product provides good compatibility with most fragrance oils, surfactants, and other moderately polar organic liquids but is not recommended for use with mineral and vegetable oils.



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