



ELAROMA - Xyl™ (Xylene)

Technical Datasheet

1. Technical Datasheet

Property	Specification
Physical Properties	
Appearance	Colorless liquid
Physical Form	Liquid
Odor	Aromatic, sweetish
Molecular Weight	106.16 g/mol
Molecular Formula	C ₈ H ₁₀
Density	0.864 g/cm ³
Specific Gravity	0.864 at 20°C (Water = 1)
Viscosity	0.812 cP at 20 °C
Refractive Index	1.494
Assay / Purity	≥98.5% w/w
Chemical Properties	
Ionic Nature	Non-ionic
Incompatibilities	Reacts violently with strong oxidizers. Incompatible with strong acids.
Hazardous Reactions / Decomposition Products	Upon combustion, carbon monoxide and carbon dioxide are formed. Vapors may form an explosive mixture with air.
Thermal Properties	
Melting Point	-47.4 °C
Boiling Point	138.5 °C
Flash Point	25 °C (77 °F) (closed cup)
Autoignition Temperature	464 °C (867.2 °F)
Thermal Stability	Stable under normal conditions.
Solubility	
Solubility in Water	Insoluble
Solubility in Ethanol	Soluble
Solubility in Acetone	Soluble



Property	Specification
Solubility in Diethyl Ether	Soluble
Solubility in Benzene	Soluble

2. Dosing by Application

Application	Recommended / Max Dosage
Paints & Coatings (Thinner)	For spray applications, a common starting point is 10% by volume (1 part xylene to 10 parts paint). Metal primers may require up to 15%.
Industrial Cleaning & Degreasing	Used neat (100%) or as a major component in a solvent blend.
Adhesives & Sealants	Used as a solvent to control viscosity and drying time; levels vary widely based on the polymer system and desired properties.
Pesticide Formulations	Used as a carrier solvent; concentration is specific to the active ingredient and product type.
Laboratory Reagent	Used neat (100%) for applications like cleaning or as a reaction solvent.

The information and data contained herein are believed to be accurate but may not be all inclusive and should only be used as a guide. The information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the product for his particular use and on condition that they assume the risk of the use thereof.

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