



ELAROMA - Xy mix™ (Xylene)

Technical Datasheet

1. Technical Datasheet

Property	Specification
Physical Properties	
Appearance	Clear, colorless liquid
Physical Form	Clear, colorless liquid
Odor	Aromatic, sweet
Molecular Weight	106.17 g/mol
Density	0.864 g/cm ³
Specific Gravity	0.86-0.88 @ 20°C
Viscosity	0.68 cSt at 20°C
Refractive Index	1.497 (at 20°C)
Assay / Purity	≥99.0%
Chemical Properties	
Ionic Nature	Non-ionic
Incompatibilities	Strong oxidizing agents (e.g., nitric acid, perchloric acid), strong acids, 1,3-dichloro-5,5-dimethylhydantoin, uranium fluoride. Attacks some plastics, rubber, and coatings.
Hazardous Reactions / Decomposition Products	Under fire conditions, may produce carbon monoxide, carbon dioxide, and other toxic fumes. Vapors may form explosive mixtures with air.
Thermal Properties	
Melting Point	-47.4 °C
Boiling Point	138.5 °C
Flash Point	23 °C to 32 °C (73.4 °F to 89.6 °F) (Closed Cup)
Autoignition Temperature	463 °C to 529 °C (865 °F to 984 °F)
Thermal Stability	Stable at room temperature and pressure.
Solubility	
Solubility in Water	Practically insoluble / <0.1 g/L (20 °C)
Solubility in Ethanol	Soluble
Solubility in Methanol	Slightly Soluble



Property	Specification
Solubility in Diethyl Ether	Soluble
Solubility in Chloroform	Soluble
Solubility in Benzene	Soluble in aromatic hydrocarbons

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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