



ELRASA - EAC™ (Ethyl Acetate)

Technical Datasheet

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Property	Specification
Physical Properties	
Appearance	Clear, Colourless Liquid
Physical Form	Clear, Colourless Liquid
Assay / Purity	99.80 % w/w (Min)
Odor	Fruity, sweet odor
Molecular Formula	C ₄ H ₈ O
Molecular Weight	88.11 g/mol
Density	0.902 g/cm ³
Specific Gravity	0.8950 - 0.8980 (at 27°C)
Viscosity	0.426 cP (at 25 °C)
Refractive Index	1.3720 (at 20°C)
Colour	10.0 APHA (Max)
Water	0.0500 % w/w (Max)
Residue on evaporation	0.0100 % w/w (Max)
Chemical Properties	
pKa	25.6
Ionic Nature	Non-ionic
Incompatibilities	Strong oxidizers, strong alkalis, strong acids, nitrates. Attacks rubber and some plastics.
Hazardous Decomposition Products	Carbon monoxide (CO), Carbon dioxide (CO ₂)
Acidity as Acetic acid	0.0100 % w/w (Max)
Thermal Properties	
Melting Point	-83.6 °C
Boiling Point	77.1 °C
Flash Point	-4 °C (Closed Cup)



Property	Specification
Autoignition Temperature	427 °C
Thermal Stability	Stable under recommended storage conditions.
Solubility	
Solubility in Water	8.3 g/100 mL (at 20 °C)
Solubility in Ethanol	Miscible
Solubility in Methanol	Miscible
Solubility in Acetone	Miscible
Solubility in Diethyl Ether	Miscible
Solubility in Glycerol	Slightly soluble
Solubility in Chloroform	Miscible
Solubility in Benzene	Miscible

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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