

## Technical Data Sheet

<b>Product Name</b>	Acetyl Triethyl Citrate (ATEC)	
<b>CAS No.</b> 77-89-4	<b>EINECS</b> 201-066-5	
<b>Description</b>	<ul style="list-style-type: none"> <li>A versatile citric acid ester</li> <li>Pharmacologically safe for use in popular products serving the medical, pharmaceutical, food, and other contact-based sectors</li> <li>In pharmaceutical applications, it contributes as a plasticiser to the performance of enteric-coated tablets</li> <li>Besides good plasticising, it also provides excellent lightfastness for personal care applications like nail lacquer</li> </ul>	
<b>Typical Properties</b>	Assay (GC)	99.0% min.
	Acidity (as Citric Acid)	0.02% max.
	Colour (APHA / Hazen / Pt-Co / PCU)	50 max.
	Water Content (w/w)	0.30% max.
	Specific Gravity (at 25 °C)	1.135 - 1.139
	Refractive Index (at 25°C)	1.432 - 1.441
	Molecular Weight	318.3
	Flash	190 °C
	Pour Point	-42 °C
	Viscosity (at 25 °C)	54 mPa. s
<b>Applications</b>	<b>Personal Care and Health Care</b> <ul style="list-style-type: none"> <li>Hair Treatments</li> <li>Colour Cosmetics</li> <li>Nail Polish</li> <li>Fragrances</li> <li>Pharmaceutical Products</li> </ul>	<b>Industrial Applications, Cleaners &amp; Detergents</b> <ul style="list-style-type: none"> <li>Adhesives, Sealants</li> <li>Dish Washing</li> <li>Laundry Care</li> <li>Metal Surface Treatments</li> <li>Plastics, Polymers</li> <li>Industrial Cleaners</li> <li>Surface Care</li> <li>Inks, Paints, and Coatings</li> </ul>
<b>Packaging and Shelf Life</b>	ATEC is supplied in 225 kg drums and 1000 kg IBC. ATEC can be stored for at least 2 years in original closed container in a cool and dry place.	

*This sheet is only a ready reference. Please contact us for any further information. Always test all material before use.*