

CITROFLEX<sup>®</sup> A-4  
Technical Data Sheet



Product Identification	<b>Chemical Name</b>	Acetyltri-n-butyl Citrate
	<b>Chemical Abstracts Registry No.</b>	77-90-7
	<b>Molecular Formula</b>	C <sub>20</sub> H <sub>34</sub> O <sub>8</sub>
	<b>Molecular Weight</b>	402.5
Specifications	<u>Property</u>	<u>Specification</u>
	<b>Ester Content, %</b>	99.0 minimum
	<b>Neutralization Number (mg KOH/g)</b>	0.2 maximum
	<b>Color, APHA</b>	30 maximum
	<b>Water, %</b>	0.25 maximum
	<b>Specific Gravity @ 25/25°C</b>	1.045 – 1.055
	<b>Refractive Index @25°C</b>	1.4410 – 1.4425
Typical Properties	<u>Property</u>	<u>Value</u>
	<b>Appearance</b>	Clear, Oily Liquid
	<b>Odor</b>	Essentially Odorless
	<b>Flash Point, C.O.C., °F</b>	400
	<b>Boiling Point, °C</b>	327
	<b>Melting Point, °C</b>	-59 (pour point)
	<b>Viscosity @ 25°C, cps</b>	33
	<b>Solubility @ 25°C</b>	
	<b>Water</b>	<0.1
	<b>Toluene</b>	∞
<b>Heptane</b>	∞	
<b>Vapor Density</b>	14.1	

“One or more of U.S. Patent Nos. 4,870,204; 4,931,583; 4,954,649 and 5,055,609 apply to this product or to the process for making this product.”

For toxicity or regulatory information please consult the Material Safety Data Sheet.

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Vertellus Performance Materials Inc., 2110 High Point Road, Greensboro, NC 27403 USA

USA Tel: 800-227-2436

USA Fax: 336-854-4058

USA Email: VPM-TechServices@vertellus.com

Web: [www.vertellus.com](http://www.vertellus.com)

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