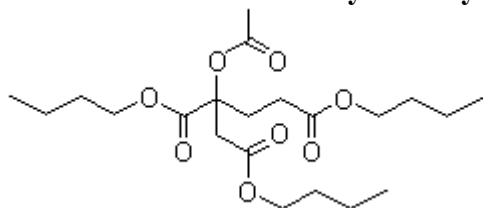




## PRODUCT SPECIFICATION

**TRADE NAME:** Allaflex ® ATBC  
**CHEMICAL:** acetyl tributyl citrate



**VERSION:** 9PS0416

### Applications:

Allaflex ATBC is a non toxic, biodegradable tributyl ester used as a plasticiser in aqueous and solvent-based polymers. These polymers include acrylic, ethylcellulose, hydroxylethylcellulose, methacrylic, nitrocellulose, vinyl acetate and urethane polymer formulations. Allaflex ATBC has an SML of 60 ppm. Its safety profile, its low migratory properties and broad compatibility make it an excellent substitute for benzoates, adipates and phthalates as well as other plasticisers.

|                          |                            |
|--------------------------|----------------------------|
| <b>Appearance</b>        | <b>Colourless Liquid</b>   |
| <b>Odour</b>             | <b>Virtually Odourless</b> |
| <b>Molecular Formula</b> | <b>C20H34O8</b>            |
| <b>Molecular Weight</b>  | <b>402.5</b>               |
| <b>CAS Number</b>        | <b>77-90-7</b>             |

| <b>Parameter</b>                                  | <b>Value</b>                 |
|---|------------------------------|
| <b>Colour</b>                                     | <b>30 Pt/Co maximum.</b>     |
| <b>Ester Content, %</b>                           | <b>99.0 minimum</b>          |
| <b>Colour (Pt-Co), APHA</b>                       | <b>30 maximum</b>            |
| <b>Water, %</b>                                   | <b>0.25 maximum</b>          |
| <b>Solubility in water</b>                        | <b>Practically Insoluble</b> |
| <b>Acidity, as acid (@ normal temp.)</b>          | <b>0.2 mg KOH/ g</b>         |
| <b>Relative Density (25 °C) kg/ m<sup>3</sup></b> | <b>1.045 – 1.055</b>         |
| <b>Refractive Index [N] 25/D</b>                  | <b>1.4410 – 1.4425</b>       |

**Allaflex® ATBC is listed in Annex 6 of the ordinance from the Swiss FDHA related to the permitted substances for the manufacture of packaging inks.**

**Allaflex ATBC is approved by the U.S. FDA according to CFR 21, sections;**

- **172.515**
- **175.105, 175.300, 175.320**
- **178.3910**
- **181.27**

**Packaging: 200 kg steel drums, 800 kg per pallet or 1000 kg IBC**

**Re-test: 24 months from date of manufacture.**

**Allaflex ® is a registered trademark of Alliance Chemicals Limited**

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