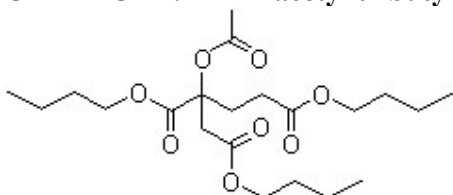




PRODUCT SPECIFICATION

TRADE NAME: Allaflex ® ATBC
CHEMICAL: acetyl tributyl citrate



VERSION: 11PS0717

Description and Application:

Allaflex ATBC is a non-toxic, biodegradable tributyl ester used as a plasticiser in aqueous and solvent-based polymers. These polymers include acrylic, ethyl cellulose, hydroxyethyl cellulose, 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.

Appearance	Colourless Liquid
Odour	Virtually Odourless
Molecular Formula	C20H34O8
Molecular Weight	402.5
CAS Number	77-90-7

Parameter	Value
Active Content %	≥ 99.0 %
Water Content %	≤ 0.25 %
Colour Pt/Co	≤ 30 PT/Co
Solubility in Water	Practically Insoluble
Acidity mg KOH/g	≤ 0.2 mg KOH/g
Viscosity (at 25°C)	35 mPas
Relative Density (at 25 °C)	1.045 – 1.055 kg/ m³

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.

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Allaflex ® is a registered trademark of Alliance Chemicals Limited

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