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Ravasol – Acetyl Tri-Butyl Citrate (ATBC)

Plasticiser

Description

ATBC is almost colourless and odourless oily liquid. Insoluble in water but soluble in alcohols and organic solvents and is miscible and compatible with monomeric plasticizers. ATBC has low volatility and good compatibility with resins, such as Polyvinylchloride, Polyvinylidene Chloride, Polyvinyl Acetate and Polyacrylate.

Applications

ATBC is an environment-friendly, safe and non-toxic plasticizer that is bio-based. ATBC will successfully substitute Phthalate-based plasticizers. Applications include:-

- Adhesives & Sealants
- Paints & Coatings
- Inks & Graphic Arts
- Plasticizer for Plastics & Polymers
- Construction
- Metal Surface Treatments
- Textiles & Leathers
- Hair Care
- Colour Cosmetics
- Nail Care

Properties

Property	Value
CAS Number	77-90-7
Molecular Formula	C ₂₀ H ₃₄ O ₈
Alternative name	ATBC, Tributyl 2-acetylcitrate
Molecular Weight	402.43
Boiling Point	331°C
Flash Point	217°C
Appearance	Colourless transparent liquid
Color (Pt-Co)	≤30 #
Content %	≥ 99.0
Acidity (as Acid)	≤ 0.2

TECHNICAL DATA SHEET



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Water content (wt),%	≤ 0.15
Refractive index (25° C/D)	1.045~1.055
Relative density (25/25° C)	1.4410~1.4425
Heavy metal (base on Pb)	≤ 10 ppm
Arsenic (As)	≤ 3 ppm

Packaging

- Intermediate Bulk Containers (IBC) – 1000 kg net
- Bulk Flexi-Tank – typically 22 tonnes

Shelf Life

When stored / un-opened in the original packaging and protected from direct sun light at 5-25°C The shelf life exceeds 6 months. Freezing must be avoided. If customer's storage conditions are not aligned to these parameters, then tests should be carried out to determine the shelf life under alternative and specific storage conditions.