

Technical Data Sheet

Eastman™ Triacetin

Chemical Synonym

Triacetin

Applications

- Adhesives/sealants-b&c
- Ag chem solvents
- General industrial coatings
- Graphic arts
- Paints & coatings

Product Description

Eastman™ Triacetin is used as a plasticizer for cellulosic resins and is compatible in all proportions with cellulose acetate, nitrocellulose, and ethyl cellulose. Eastman™ Triacetin is useful for imparting plasticity and flow to laminating resins, particularly at low temperatures, and is also used as a plasticizer for vinylidene polymers and copolymers. It serves as an ingredient in inks for printing on plastics, and as a plasticizer in nail polish. For food additive applications, Eastman supplies Eastman™ Triacetin, Kosher, Food Grade, and Eastman™ Triacetin, Food Grade, which are made under appropriate current good manufacturing practices (cGMP) for these applications.

Typical Properties

Property	Typical Value, Units
General	
Acidity (wt%)	0.002 max.
Color Pt-Co	10 max.
Refractive Index @ 25°C	1.43
Specific Gravity @ 20°C/20°C	1.16
Solubility in Water @ 25°C	71.7 g/L
Boiling Point	496 °F (258 °C)
Flash Point Setaflash Closed Cup	304 °F (151 °C)
Freezing Point	37.8 °F (3.2 °C)
Vapor Pressure @ 20°C	<0.0025 torr (<0.33 Pa)
Viscosity @ 25°C	17.4 cP (17.4 mPa·s)
Wt/Vol @ 20°C	9.65 lb/gal (1.16 kg/L)

CHEMICAL INVENTORIES:

TSCA (US Toxic Substances Control Act): This product is listed on the TSCA inventory. Any impurities present in this product are exempt from listing.

DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act): This product is listed on the DSL. Any impurities present in this product are exempt from listing.

AICS / NICNAS (Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme): This product is listed on AICS or otherwise complies with NICNAS.

MITI (Japanese Handbook of Existing and New Chemical Substances): This product is listed in the Handbook or has been approved in Japan by new substance notification.

ECL (Korean Toxic Substances Control Act): This product is listed on the Korean inventory or otherwise complies with the Korean Toxic Substances Control Act.

Philippines Inventory (PICCS): This product is listed on the Philippine Inventory or otherwise complies with PICCS.

Inventory of Existing Chemical Substances in China: All components of this product are listed on the Inventory of Existing Chemical Substances in China (IECSC).

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