

GTB

Technical Datasheet

Product Information: Glyceryl Tribenzoate is a white crystalline solid polyol benzoate plasticizer, processing aid and modifier for a wide range of polymers applications.

Chemical Name	GLYCEROL TRIBENZOATE	
Grade Name	GTB	
CAS No.	614-33-5	
EINECS No.	210-379-6	
Molecular Formula	C ₂₄ H ₂₀ O ₆	
Synonyms	<ul style="list-style-type: none"> • 1,2,3-PROPANETRIOL,TRIBENZOATE (9CI) • 2,3-BIS(BENZOYLOXY)PROPYL BENZOATE • TRIBENZOIN 	
TEST	SPECIFICATION	METHOD
Appearance	Form: Crystalline powder/granules Colour: White	Visual
Appearance at 20°C	Off-white coloured flakes or granulate	Visual
Appearance at 80°C	Colourless to yellowish liquid	Visual
Purity	95 % min.	By GC
Melting Range	68 - 72 °C	Melting point apparatus (Open tube capillary method)
Acid Value (mg KOH/g)	2 max.	Titration
Saponification Value (mg KOH/g)	396-436	Titration
IR Spectrum	Conforms to standard	-
Particle size analysis	D90 <50 microns	-

Product Applications:

1. Glyceryl Tribenzoate is used as a plasticizer in all type of polymers, ink and adhesive.
2. It is especially recommended for use in heat seal applications.
3. It is used as cleaner for hot melt roll coaters.

Product Benefits:

1. Glyceryl Tribenzoate an outstanding plasticizer for nitrocellulose coatings where it promotes heat seal ability and adhesion creates a moisture barrier and resist oil/water extraction. These properties are of great value in heat seal coatings, lacquers and films.
2. It is an excellent non-formaldehyde resin substitute and plasticizer in nail lacquer formulations.
3. It improves adhesion and water resistance of printing ink formulations.

Product Handling & safety:

Please refer to our product MSDS for specific instructions on handling this product.

Product Registration: Glyceryl Tribenzoate is approved for use in food contact polymer as per the following chapter headings

Title: 21 - Food And Drugs

Chapter: I - Food And Drug Administration, Department Of Health And Human Services

Subchapter: B - Food For Human Consumption

Part: 175 - Indirect Food Additives: Adhesives And Components Of Coatings

Subpart: B - Substances for Use Only as Components of Adhesives

Section: 175.105 - Adhesives.

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Chapter: I - Food And Drug Administration, Department Of Health And Human Services

Subchapter: B - Food For Human Consumption

Part: 176 - Indirect Food Additives: Paper And Paperboard Components

Subpart: B - Substances For Use Only As Components Of Paper And Paperboard

Section: 176.180 - Components Of Paper And Paperboard In Contact With Dry Food.

Product Disclaimer

Important : This statement supersedes any Buyers documents. Seller makes no representation, Warranty, Express or Implied, Including of Merchantability of Fitness for a particular use, or purpose.

No statement herein is to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleges negligence breach of warranty, strict liability, and tort or contact rising in connectoin with product(s). Buyers sole remedy and Sellers sole Liability for any claims shall be buyers purchase price. Data and results are based on controlled or lab work and must be confirmed by the buyer by testing for its indented conditions of use.

This product is not been tested for, and is therefore not recommended for, use for which prolonged contact with mucous membranes, abraded skin, or blood is intended, or fur use for which implantation within human body is intended.