



Trigon Chemicals Pvt. Ltd.

(ISO 9001:2008 Certified Company)

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NPG DIBENZOATE

Technical Datasheet

Product Information: Neopentyl Glycol Dibenzoate an effective plasticizer for coatings application, particularly in acrylic-based coatings where excellent ultraviolet light stability is required.

Chemical Name	NEOPENTYL GLYCOL DIBENZOATE	
Grade Name	NPG DIBENZOATE	
CAS No.	4196-89-8	
EINECS No.	224-081-9	
Molecular Formula	C ₁₉ H ₂₀ O ₄	
Synonyms	<ul style="list-style-type: none">• 2,2-DIMETHYL-1,3-PROPANEDIOL DIBENZOATE• 1,3-PROPANEDIOL,2,2-DIMETHYL-,DIBENZOATE• BENZOIC ACID [3-(BENZOYLOXY)-2,2-DIMETHYL-PROPYL] ESTER	
TEST	SPECIFICATION	METHOD
Appearance	Form: Powder Colour: White to off white	Visual
Purity	Min 98 %	GC
Melting Range	48-51°C	Melting point apparatus (capillary tube method)
Moisture Content	Max 1.0 %	By KF Titration
Acid Value	Max 0.2 %	Acidimetric Titration

Product Applications:

1. Neopentyl Glycol Dibenzoate is used as nucleating agent & plasticizer in manufacture of PET resins as well as talc-filled polypropylene to improve injection moulding and help in reduction of cycle-time.
2. In Hot melt Adhesive Neopentyl Glycol Dibenzoate is used as plasticizer.
3. It is used in incorporation in thermoplastic polyesters (e.g. PBT, PCT, PET) to aid crystal growth during nucleation.

Product Benefits:

1. Neopentyl Glycol Dibenzoate provides an excellent ultraviolet light stability.
2. It is low melting waxy solid plasticizer
3. Neopentyl Glycol Dibenzoate provides high hydrolytic stability in polyester resin.

Product Handling & safety:

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

Product Registration: Neopentyl Glycol Dibenzoate (2,2-Dimethyl-1,3-propanediol dibenzoate) 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 (Continued)



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Part: 175 - Indirect Food Additives: Adhesives And Components Of Coatings
Subpart: B - Substances For Use Only As Components Of Adhesives
Section: 175.105 Adhesives.

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 Seler be liable for incidental, consequential or indirect damanges 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.