



Trigon Chemicals Pvt. Ltd.

(ISO 9001:2008 Certified Company)

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NPG DIBENZOATE

Technical Datasheet

Product Information: Neopentyl Glycol Dibenzate 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	C19H20O4	
Synonyms	<ul style="list-style-type: none">2,2-DIMETHYL-1,3-PROPANEDIOL DIBENZOATE1,3-PROPANEDIOL,2,2-DIMETHYL-,DIBENZOATEBENZOIC 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 Dibenzate 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 Dibenzate 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 Dibenzate provides an excellent ultraviolet light stability.
2. It is low melting waxy solid plasticizer
3. Neopentyl Glycol Dibenzate 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 Dibenzate (2,2-Dimethyl-1,3-propanediol dibenzate) 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 (Continued)

Subchapter: B - Food For Human Consumption (Continued)



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Part: 177 - 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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Part: 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 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 for use for which implantation within human body is intended.