



# Trigon Chemicals Pvt. Ltd.

( ISO 9001:2008 Certified Company )

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<b>POLYMER ADDITIVES</b>	<b>DEGASSING AGENT</b>
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<b>BENZOIN</b>	<b>Technical Datasheet</b>
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**Product Information:** POLYMER ADD-BENZOIN is a well established and reliable degassing agent for powder coatings. It is the additive for pinhole removing in the powder coating production. Benzoine is a organic compound and usually used in chemical analysis as well as a disinfectant.

Product Name	BENZOIN		
Grade Name	POLYMER ADD-BENZOIN		
CAS No.	119-53-9		
EINECS No.	204-331-3		
Molecular Formula	C <sub>14</sub> H <sub>12</sub> O <sub>2</sub>		
Synonyms	<ul style="list-style-type: none"><li>• 1,2-Diphenyl-2-Hydroxyethanone</li><li>• 2-hydroxy-2-phenylacetophenone</li><li>• Benzoylphenylcarbinol</li></ul>		
<b>TEST</b>	<b>SPECIFICATION</b>	<b>METHOD</b>	
Appearance	Off-White Powder	Visual	
Purity	99.5 % Min.	By HPLC	
Melting Range	133 - 140 °C	Melting point apparatus (open capillary tube method)	
Volatile Content	0.5 % Max.	Oven Drying	
Solubility at	Solvent	Solubility ( gm/100ml )	Visual 25 °C
	Water	0.03 gm/100ml	

## Product Applications:

1. POLYMER ADD-BENZOIN is used in the curing of a powder coating film, the benzoine melts and chemically scavenges oxygen and promotes dissolution of gases into the resin to minimize bubble formation in the coating film.
2. It is used as photo initiator for the manufacturing of photocurable resin and dyes, UV curing coatings.
3. It is also used in reaction test for fluorescence of zinc, organic synthesis, as calorimetry standards and preservatives.

## Product Benefits:

1. POLYMER ADD-BENZOIN rapidly migrates to the surface of the coating and vaporizes carrying along other volatiles with it.
2. It has good quality.
3. It has high efficiency and low cost.

**Product Dosage:** We strongly recommend testing of your own system under the actual conditions of processing and end-use prior to full scale testing. Exact loading must be determined by compositions of the specific polymer systems. In general the dosage recommended in polymer is 0.3 - 0.8 %.



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Polymer Details	Suggested dosage
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## Product Handling & safety:

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

**Product Registration:** POLYMER ADD-BENZOIN 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)

Part: 172 - Food Additives Permitted For Direct Addition To Food For Human Consumption

Subpart: F - Flavoring Agents And Related Substances

Section: 172.515 - Synthetic Flavoring Substances And Adjuvants.

**Product Registration:** POLYMER ADD-BENZOIN 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: A - General

Part: 73 - Listing Of Color Additives Exempt From Certification

Subpart: A - Foods

Section: 73.1- Diluents In Color Additive Mixtures For Food Use Exempt From Certification.

## 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