DR. J. PHARMACHEM (INDIA)

SUCROSE BENZOATE-HI GLOSS	Technical Datasheet

Product Information: Sucrose Benzoate is specifically used in the coating. Sucrose Benzoate improves the surface gloss and is widely used in clear lacquers.It provides exceptional clarity with high gloss, excellent resistance to ultraviolet light, high film hardness combined with good flexibility, and excellent resistance to water and alcohol. Sucrose Benzoate is widely used in Nail paints, enamels, coats. It is biodegradable, water soluble and is approved by US FDA for use in Indirect food contact applications.

Chemical Name	SUCROSE BENZOATE	
Grade Name	SUCROSE BENZOATE-HI GLOSS	
CAS No.	12738-64-6	
EINECS No.	235-795-5	
Molecular Formula	C19H26O12	
Synonyms	• MIRAMER SB • UNIPLEX 280CG • MIRRORFLEX SB 70%	
TEST	**SPECIFICATION**	**METHOD**
Appearance	Crystalline powder	Visual
Hazen colour value [50 % w/v in Xylene]	< 50	Colorimetry
Turbidity	> 85 %	Turbidity meter
Acidity (As Benzoic acid)	< 0.3 %	Titration
Volatiles (o-xylene)	< 1.5 %	Oven drying
Basicity	< 1.5 meq/g	Titration
Refractive Index nD20	Approx. 1.577 nD20	Refractometry
Specific Gravity at 25 °C	Approx. 1.25 g/mol	Pycnometer
Iodine Number	0.01 %	Titration
Softening Range	Approx. 93 - 98 °C	Ball and Ring Method

Product Applications:

1. It is used in coatings, lacquers, adhesives, printing inks & nail enamels due to it light & heat stability, excellent clarity, high gloss, and film hardness. With a softening point 95-101 degrees C, Sucrose Benzoate is known for its good compatibility with the acrylic system used in forming high quality coating films. It maintains high gloss as compared to other inorganic fillers. Sucrose Benzoate,is compatible with both the crystalline and amorphous forms of polymers.
2. Used as a tackifier for water sensitive,biodegradable thermoplastic hot melt adhesives. The Sucrose Benzoate is preferably utilized in its alcohol soluble form wherein the benzoate is partially esterified. This grade is a light colored, clear non-crystalline solid with a softening point of about 95° C. Alternatively, the non-alcohol organic soluble grade, a water-clear, non-crystalline flake solid having a softening point of 98° C. may also be used.
3. Used as a glossifying agent Aerosol sprayable paint composition.

Product Benefits:

722/AB/15, Nirmal, Laxmi Park Colony, Navi Peth 411030, www.jpharmachem.com
Tel. 020-24530071 Email:sales@jpharmachem.com

1. Sucrose Benzoate is compatible with a broad range of resins, plasticizers, and solvents and shows highest surface gloss values compared to other additives.
2. It has excellent ultraviolet light stability and is biodegradeable and compostable.
3. It is a curing agent.

Product Handling & safety:
Please refer to our product MSDS for specific instructions on handling this product.

Product Registration: Sucrose Benzoate 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: 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.