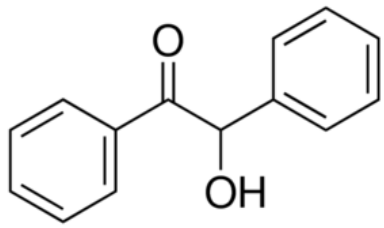
aalchem

www.aalchem.com

Aal Chem Benzoin
Powder Coating Additive
Technical Data Sheet

Structure



Chemical/Typical Properties:

Appearance	White to Off-White Powder
CAS No.	119-53-9
Molecular Weight	212
Assay (%)	99 min
Melting Point (^{o}C)	134-138
Volatiles (%)	0.5 max
Ash (%)	0.1 max

Applications
Aal Chem Benzoin is most widely used as an anti-cratering agent for powder coatings, as well as an intermediate for organic synthesis.

Other information (disclaimer)
Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

2240 29th Street SE • Grand Rapids, Michigan 49508
Telephone: 616-247-9851 • Fax: 616-247-9852

A.H.A International Co., Ltd.
Jin An Mansion,306 TunXi Road,Hefei,Anhui,China
Tel: 0086-551-4673751 4673754
Fax: 0086-551-4673750
Email: xubin@anhuichem.com/tongnaib@anhuichem.com

Technical Data Sheet

AHA4101

Slip and degassing agent for powder coatings

Description

AHA4101 is amide wax improved Benzoin used in powder coating to reduce yellowing & eliminate pinholes. This product, as slip and degassing agent, is particularly effective in HAA systems at thicker film builds.

Typical properties

Appearance	[visual]	Pale yellowish powder
Melting Point (°C)		Ca 137-142
Volatiles (%)		≤1.5

Application

AHA4101 is recommended as slip/degassing agent or melt viscosity modifier used in powder coatings including polyesters-TGIC, polyurethanes, hybrids, epoxies and acrylics, esp. for polyester-HAA to eliminate pinholes and yellowing as well as improve film quality/appearance and gloss at thicker film builds. The combination of wax and benzoin in just one product is benefiting to improves air release, surface slip, powder process and scratch resistance.

Use levels

0.5- 1.5% by weight, calculated on total formulation depending on the gloss required.

Process

Pre-mixing with other ingredients together, then homogenized in a heated extruder.

Shelf life

Based on our experience the shelf life of this product is at least within one year from date of manufacture. For older than this period, it is recommended to re-check the performance.

Storage & Notice

Store in temperature between 2 and 35℃ or cool dry place to avoid wetting-absorption.

A.H.A International Co., Ltd.
Jin An Mansion,306 TunXi Road,Hefei,Anhui,China
Tel: 0086-551-4673751 4673754
Fax: 0086-551-4673750
Email: xubin@anhuichem.com/tongnaib@anhuichem.com

Keep package closed after using.

Handling & Precaution

Avoid contact with eyes and skin. Avoid breathing dust. Wash after handling.

For further information, please refer to the MSDS

Regulatory status

AHA4101 complies with TSCA (USA), DSL/NDSL (Canada) and IECSC(China).

Package

Packaged in craft paper bag with polyethylene liner. Net weight 25 Kg per bag.

Version I-02-2013