

## Technical Data Sheet

### **AHA4104**

#### **High performance degassing agent/anti-bubbling additive**

##### **Description**

**AHA4104** is a modified wax-based additive used in a broad range of powder coatings. This product is recommended to be used as high effective degassing/anti-bubbling additive in powder coatings.

Also, **AHA4104** is, especially, recommended to be used in black dead matte Matflex AHA90/HAA system to eliminate sunburst effects and/or mottle/spots liable to occur on film surface.

##### **Typical properties**

Appearance	[visual]	Off white fine powder
Melting ranges (°C)	[DSC]	118-140
Density (g/ml, 20°C)		Appr.0.95
Particle size (Dv50, µm)		Appr.5

##### **Application**

**AHA4104** is mainly used in:

- As high effective degassing agent/anti-bubbling additive for any powder coatings, esp. powder coated porous substrates such as cast iron, cast aluminum alloys etc.
- Black dead matte Matflex AHA90/HAA system to eliminate sunburst/starburst effects.
- Improved leveling/flow, surface fine/smoothness.
- Eliminate mottle/float spots liable to occur on film surface, esp.
- Two-package matte powder coatings formulated by dry blending way.

##### **Use levels**

As degassing agent/anti-bubbling additive, approx.0.7 or less by weight calculated on total formulation.

As surface performance modifier (SPM), approx.0.5-1.5 by weight calculated on total formulation.

##### *Notice:*

*The key technical data or specifications for the above product described in this paper may be changed from time to time due to improvement constantly. AHA reserves the right to change the specifications of its products without prior notice.*

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**Incorporation and processing Instructions**

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**AHA4104** should be mixed with resin, hardener, pigments and other raw materials in a high-speed mixer and then extruded.

But, as a free flowing-white powder it can also be incorporate into said powder formulation by dry-blending way.

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**Shelf life**

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Based on our experience the shelf life of this product is at least within 3 years from date of manufacture. For older than this period, it is recommended to re-check the performance.

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**Storage & Notice**

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

Keep package closed after using.

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**Handling & Precaution**

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

For further information, please refer to the SDS

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**Regulatory status**

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**AHA4104** complies with TSCA (USA), DSL/NDSL (Canada) and IECSC (China).

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**Package**

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Packaged in fiber drum with polyolefin liner. Net weight 20Kg per bag

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