

# Product Data Sheet

## Inhibitor AHM 700 Series

### General Description

The Inhibitor AHM 700 series are polymerization control additives specifically designed to enable trouble free operation of styrene monomer production plants. They are a mixture of DNBP with a TEMPO inhibitor that offers greatly improved anti-polymerisation performance compared to other commonly used materials. The performance and economics have been proven at many plant trials and conversion rate from plant trial to full time use is 100%.

### Product Features

The Inhibitor AHM 700 series products have the following advantages:

- Easily handled liquid products.
- Superior polymer control and can be used at a much lower dose compared to standard DNBP.
- Reduced usage rate leads to superior economics and lower NOx when residues are incinerated.
- Retarder and inhibitor properties in a single product so only one storage and feed system is required.

### Benefits

Operating costs and hazards can be reduced by the Inhibitor AHM 700 series due to:

- Lower doses of inhibitor required
- Less monomer lost to polymer
- Reduced capex cost for chemical handling

### Case History

These products have been in continuous use in world scale styrene monomer production for 20 years.

### Physical Properties

Description: Brown liquid fully miscible with styrene or ethylbenzene

AHM 700 specific gravity: 1.11 at 20 °C

AHM S611 specific gravity: 1.13 at 20 °C

Flash point: 26 °C (PMCC)

### Product Application

Dosing locations and rates are determined according to individual plant design and fouling history. Detailed advice is available from Nufarm's Technical Services Team.

### Material Compatibility

The Inhibitor AHM 700 series are supplied as easy to handle solutions of active ingredient in ethylbenzene. The products are compatible with petrochemical processes and equipment.

### Storage/Handling/Health

Please refer to the Material Safety Data Sheet for handling and health advice.

### Availability

The Inhibitor AHM 700 series are produced at our ISO 9001 site in the UK. Available in 1000L intermediate bulk containers and in isotanks.

### Contact

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