

## MIKROFINE<sup>®</sup> HP 340

MIKROFINE<sup>®</sup> HP 340 is a chemical blowing agent formulation based on Azodicarbonamide specially designed to give whiter rigid vinyl extrudates.

### 1 PRODUCT INFORMATION

<b>Main constituent</b>	: Azodicarbonamide CAS Number [123-77-3] Mol. Formula C <sub>2</sub> H <sub>4</sub> N <sub>4</sub> O <sub>2</sub> Mol.wt. 116
<b>Physical form</b>	: Pale yellow free flowing powder
<b>Odour</b>	: Odourless
<b>Solubility</b>	: Insoluble in water and benzene. Soluble in dimethylformamide.
<b>Health, safety &amp; handling information</b>	: Relevant information can be found in sheet No. HPLA/MSDS/M/CBA/77

### 2 SPECIFIED PROPERTIES

<b>Decomposition temperature</b> (°C) (Open capillary tube method)	: 189 ± 3
<b>Gas content</b> (ml/gm at STP)	: 205 ± 5
<b>Volatility</b> (%w/w)	: 0.5 max.
<b>pH</b> (5% aqueous suspension at 25°C)	: 7.0 ± 1.0
<b>Average particle diameter</b> (micron)	: 5.0 ± 0.5

### 3 SPECIAL FEATURES

MIKROFINE® HP 340 does not dissolve in oils and plasticizers generally used in compounding. However, due to its fine particles, MIKROFINE® HP 340 can be dispersed during processing, if this process includes a milling operation. It can also be pre-mixed with appropriate oil or plasticizer. Since the decomposition residue of MIKROFINE® HP 340 is nearly white, it can be used in the production of light colored products. MIKROFINE® HP 340 is particularly suitable for the production of cellular vulcanizates which must be nonstaining and odorless.

### 4 APPLICATIONS

MIKROFINE® HP 340 has been used successfully to expand rigid PVC pipes, profile and sheets. It gives whiter cellular rigid PVC boards with better density reduction. It finds use especially in Sn stabilize systems. MIKROFINE® HP 340 substantially reduces incidences of plate-out saving costly down time.

### 5 DOSAGE

0.5 - 6.0 PHR depending on the polymer used and the extent of expansion required.

### 6 PACKING

MIKROFINE® HP 340 is packed in 25kg HDPE bags/UN approved corrugated cartons with a polythene liner inside or as per customer's requirement

The information given in this document is only a recommendation, believed to be reliable and is given in good faith but without warranty. Our advice does not release users from the obligation of checking its validity. The user should test the product to ascertain the suitability for the intended use. Specified properties mentioned in this document are based on our historical production performance and these properties or the whole document is subject to change without any prior notice, at our sole discretion. We are under no obligation to recall earlier issued documents.

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