



### DATA-SHEET

| SPECIFICATION & DATA SHEET<br>物质规格数据表 |  | Chemical Analysis:<br>化学分析 |                                     |
|---------------------------------------|--|----------------------------|-------------------------------------|
| Product Code:<br>产品编码                 | AN0114 2 000 42                                | Chemical Name:<br>化学名称     | 2-Mercaptobenzimidazole<br>2-硫醇基苯咪唑 |
| Trade Name:<br>商品名称                   | Antioxidant MB<br>防老剂 MB                       | CAS No.<br>CAS 编号:         | 583-39-1                            |
| Molecular Formula:<br>分子式             | C <sub>7</sub> H <sub>6</sub> N <sub>2</sub> S | Molecular Weight:<br>分子量   | 150.16                              |
| Synonym<br>同类名称                       | MBI  |                            |                                     |

Product Information: 产品资料

\*\*\***Specification 规格**

|   |                      |   |           |
|---|----------------------|---|-----------|
| Appearance (visual inspection):<br>外观 (目测)      | White powder<br>白色粉末 | Initial M.P. °C Min:<br>初熔点 °C 最小值                                    | 290.0     |
| Loss on drying % ≤<br>加热减量 % ≤                  | 0.40                 | Ash Content % ≤<br>灰份 % ≤   | 0.40      |
| Residue on (150µm) sieve % ≤<br>筛余物 % (150µm) ≤ | 0.10                 | Oil Content %<br>油含量 %  | 1.0-2.0   |
| Assay content % ≥<br>纯度 % ≥                     | 95                   | Comparatively density(g/cm <sup>3</sup> )<br>相对密度(g/cm <sup>3</sup> ) | 1.42-1.43 |

\*\*\***Typical Properties 主要特性**

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| White powder. No smell but taste bitter. The density is 1.42-1.43. Soluble in alcohol, acetone, ethyl Acetate, slightly soluble in petroleum ether, CH <sub>2</sub> Cl <sub>2</sub> . Insoluble in CCl <sub>4</sub> , benzene and water. Good Stabilization storage ability. As secondary anti-degradant without poison. | 为白色粉末。无臭、有苦味。比重 1.42-1.43。溶于丙酮、乙醇和乙酸乙酯，难溶于石油醚、二氯甲烷，不溶于四氯化碳、苯和水。储存安定性良好，为不污染的第二防老剂。 |
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\*\*\***Recommended Applications 应用推荐**

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| A non-staining secondary antioxidant for natural rubber, CR, SBR, NBR and EPR etc. Especially effective against heat oxidation in combination with amine. | 用作天然橡胶、二烯类合成橡胶及乳胶的抗氧化剂，也用于聚乙烯。对氧、天候老化及静太老化等具有防护效能，也能较有效地防护铜害和克服制品硫化时过硫引起的不良作用。单独使用，可与其他防老剂(DNP,AP)并用，可获得明显的协同效果。 |
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\*\*\***Handling and Storage recommendations 推荐操作储存条件**

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| The product should be stored in the dry and cooling place with good ventilation and should be avoiding hot and sunshine.<br>12 months with the common storing condition. Recommend use of date is within 6 months. | 应储存在阴凉、干燥、通风良好的地方。包装好的产品应避免阳光直射。<br>保质期: 12 个月, 建议最佳使用期: 6 个月以内。 |
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\*\*\***Package 包装**

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| Bag: 25kg/bag<br>包装: 25kg/包 | Pallet(1.1*1.1*0.1): 600kg/P<br>托盘(1.1*1.1*0.1) : 600kg/P |
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