

NOBS TDS

| Product Name       | Accelerator MBS(NOBS,MOR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |              |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|
| Chemical name      | N-Oxydiethylene-2-Benzothiazole Sulfenamide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             |              |
| Classification     | Sulphenamides Accelerator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |              |
| Molecular formula  | C <sub>11</sub> H <sub>12</sub> N <sub>2</sub> S <sub>2</sub> O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |              |
| CAS No.            | 102-77-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |              |
| Specification      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |              |
| Item               | Unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Index       | Test Method  |
| Physical Form      | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Granule     | Visual       |
| Appearance         | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Pale yellow | Visual       |
| Purity             | % min.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 96.0        | GB 8829-2006 |
| Initial M.P.       | ℃ min.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 78.0        | GB 8829-2006 |
| Loss on drying     | % max.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.50        | GB 8829-2006 |
| Methanol insoluble | % max.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.50        | GB 8829-2006 |
| Free Amine         | % max.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.50        | GB 8829-2006 |
| Ash content        | % max.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.40        | GB 8829-2006 |
| Application        | NOBS is an excellent delayed action type accelerator. Can be used in NR, JR, BR,SBR and NBR and EPDM, superior to CBS and TBBS in stability and delayed vulcanization under severe conditions. Recommended in place of CBS in difficult processing conditions. Recommended to be used in combination with small amountof Guanidines.Gives excellent and mechanical properties to rubber products. Offer extended scorch safety for large size extrusion products, rubber compounds with high loadings of furnace black such as ISAF and SAF-injection or transfer molded products. |             |              |
| Storage            | To keep the bags tightly closed in a cool, well-ventilated place. And to avoid from moisture, sunshine, light and fires. The recommended max.shelf life is six months .                                                                                                                                                                                                                                                                                                                                                                                                            |             |              |
| Package            | 25kg paper bag or PP weaved bag lined with plastic bag.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             |              |

NOBS

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|-------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|--|
| 产品名称  | 促进剂 MBS(NOBS,MOR)                                                                                                                             |         |              |  |
| 化学名称  | N-氧二乙撑基-2-苯并噻唑次磺酰胺                                                                                                                            |         |              |  |
| 类别    | 次磺酰胺类                                                                                                                                         |         |              |  |
| 分子式   | C <sub>11</sub> H <sub>12</sub> N <sub>2</sub> S <sub>2</sub> O                                                                               |         |              |  |
| CAS号  | 102-77-2                                                                                                                                      |         |              |  |
| 技术指标  |                                                                                                                                               |         |              |  |
| 指标名称  | 单位                                                                                                                                            | 参数      | 检测标准         |  |
| 形状    | --                                                                                                                                            | 颗粒      | 目测           |  |
| 外观    | --                                                                                                                                            | 淡黄色或橙黄色 | 目测           |  |
| 纯度    | % ≥                                                                                                                                           | 96.0    | GB 8829-2006 |  |
| 初熔点   | ℃ ≥                                                                                                                                           | 78.0    | GB 8829-2006 |  |
| 加热减量  | % ≤                                                                                                                                           | 0.50    | GB 8829-2006 |  |
| 甲醇不溶物 | % ≤                                                                                                                                           | 0.50    | GB 8829-2006 |  |
| 游离胺   | % ≤                                                                                                                                           | 0.50    | GB 8829-2006 |  |
| 灰分    | % ≤                                                                                                                                           | 0.40    | GB 8829-2006 |  |
| 用途    | 本产品是一种优良的延迟性促进剂，适用于天然橡胶和合成胶。其活性小，迟延性大，硫化速度快，抗焦性强，操作安全，易分散，不喷霜，变色轻微，硫化胶物理性能和耐老化性能均佳。主要用于承受重负荷型动能应力的制品。主要用于制造轮胎、胶管、胶鞋、胶带、电缆等。特别适合于细粒子炉法碳黑的合成胶带。 |         |              |  |
| 储存    | 存放在阴凉、干燥通风处；远离湿，热；避开明火和阳光。建议储存期为6个月。                                                                                                          |         |              |  |
| 包装    | 25千克纸塑复合袋，内衬塑料袋。或根据要求包装。                                                                                                                      |         |              |  |