

**DATA-SHEET**

SPECIFICATION & DATA SHEET 物质规格数据表		Chemical Analysis: 化学分析	
Product Code: 产品编码	AC0001 2 110 42	Chemical Name: 化学名称	2-mercaptobenzothiazole 2-硫醇基苯并噻唑
Trade Name: 商品名称	Accelerator MBT(M)-Solvent 促进剂 MBT(M)-溶剂法	CAS No.: CAS 编号:	149-30-4
Molecular Formula: 分子式:	C <sub>7</sub> H <sub>5</sub> NS <sub>2</sub>	Molecular Weight: 分子量	167.26
Synonym 同类名称	Vulkacit® Merkpto/C ; Vulkacit MGC; Nocceler M; Naugex MBT		

**Product Information: 产品资料****\*\*\*Specification 规格**

Appearance (visual inspection): 外观(目测)	Light yellow powder 淡黄色粉末	Assay content % ≥ 纯度 % ≥	95
Initial M.P. °C: 初熔点 °C	167.0	Loss on drying % ≤: 加热减量 % ≤	0.50
Ash content % ≤: 灰份 % ≤	0.30	Oil Content % 油含量 %	1.0-2.0
Residues(150um) % ≤ 筛余物(150um) % ≤	0.10	Density at 25°C (g/cm <sup>3</sup> ) 25°C下的密度(g/cm <sup>3</sup> )	1.42-1.52

**\*\*\*Typical Properties 主要特性**

It is Light yellow powder with little osmyl and taste bitter. The density is 1.42-1.52.it is soluble in ethyl acetate, ethanol, solution of NaOH and Na <sub>2</sub> CO <sub>3</sub> , insoluble in benzene, water and gasoline.Lower explosion limit is 21g/m <sup>3</sup> .	淡黄色粉末，微臭，有苦味，无毒，比重 1.42-1.52，易溶于乙酸乙酯、丙酮、氢氧化钠及碳酸钠的稀溶液中，溶于乙醇，不易溶于苯，不溶于水 and 汽油。呈粉状下限为 21g/m <sup>3</sup>
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**\*\*\*Recommended Applications 应用推荐**

<p>In NR compounds, MBT based vulcanization systems exhibit less reversion upon overcure than other systems.</p> <p>Vulcanizate obtained with MBT tend to have a relatively low modulus but very good aging properties.</p> <p>To achieve a faster cure and a higher modulus. MBT can be boosted by the use of secondary accelerators, like as ZBEC, ZDEC, TMTD or DPG.</p> <p>For the vulcanization of EPDM or IIR rubbers, MBT is a well established component of many existing vulcanization systems. MBT also finds application in latex form cure systems. It is non-staining and non-discoloring.</p>	<p>在天然橡胶配方中，以 MBT 为主的硫化体系与其他体系相比，在过硫化在硫化情况下返原物程度小。</p> <p>使用 MBT 的硫化胶，其模量相对较低，但抗老化性能良好。</p> <p>为获得较快的硫化速度及较高的模量，可使用助促进剂，如：ZBEC、ZDEC、TMTD 或 DPG</p> <p>在硫化 EPDM 和丁基胶时，MBT 是现有许多硫化体系中的常用组成部分。MBT 也可用于乳胶发泡硫化体系中。MBT 无污染不变色。</p>
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**\*\*\*Handling and Storage recommendations 推荐操作存储条件**

<p>Store MBT in a cool, dry, well-ventilated area, avoiding exposure of the packaged product to direct sunlight.</p> <p>Usually the shelf time is 24 months while the recommend use of date is within 12 months.</p>	<p>MBT 应储存在阴凉、干燥、通风条件良好的地方，产品包装应避免阳光直射。</p> <p>通常情况下保质期为 24 个月，建议使用 12 个月内</p>
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**\*\*\*Package 包装**

<p>Bag: 25kg/bag 袋装：25kg/包</p>	<p>Pallet(1.1*1.1*0.1): 600kg/P 托盘(1.1*1.1*0.1) : 600kg/P</p>
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