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### **Technical Data Sheet**

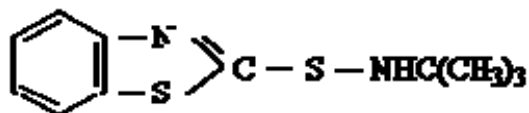
#### **Accelerator TBBS**

N-tert-butyl-2-benzothiazyl

**CAS NO.:** 95-31-8

Chemical Molecular: C<sub>11</sub>H<sub>14</sub>N<sub>2</sub>S<sub>2</sub>

Chemical Structure:



#### **APPLICATION**

A primary amine based, general purpose primary accelerator combining a fast cure with good scorch safety and excellent modulus development. TBBS is normally used alone or with small quantities of secondary accelerator in combination with sulfur. It is also used in industrial rubber products with higher levels of secondary accelerators to obtain faster vulcanization cycles and improved aging resistance.

#### **PROPERTY**

Its industrial product is milk-white or light-yellow-brown powder. Soluble in benzene, chloroform, carbon bisulfide, acetone, methanol, ethanol, but hard in gasoline, not soluble in water, this acid, thin alkali.

#### **HANDLING PRECAUTIONS**

For detailed information on toxicological properties and handling precautions please refer to the current Safety Data Sheet.

## STORAGE RECOMMENDATIONS

Store TBBS in single stacked pallets in a cool, dry, well-ventilated area, avoiding exposure of the packaged product to direct sunlight. Double stacking of palletized material and/or exceeding 35°C can result in unusual compaction of product.

**PACKAGING:** 25kg paper bag.

## SPECIFICATION:

Name of Index	Specification		Test Method
Appearance	White, light-yellow granular	White, light-yellow powder	
Initial melting point °C $\geq$	104.0	104.0	GB/T 21840—2008
Heating loss % $\leq$	0.40	0.40	GB/T 21840—2008
Ash content % $\leq$	0.30	0.30	GB/T 21840—2008
Residue on sieve (150 $\mu$ m) % $\leq$	-	0.10	GB/T 21840—2008
Oil Content %	-	1.0-2.0	
Methanol insolubles % $\leq$	1.00	1.00	GB/T 21840—2008
Purity % $\geq$	96.0	96.0	GB/T 21840—2008
Free amine % $\leq$	0.50	0.50	GB/T 21840—2008
	Purity, Free Amine is only tested as customers' request		