



255 Fountain Street Akron, Ohio 44304-1991  
 330-535-2100 ♦ 800-321-2260 ♦ Fax 330-535-8947

**RUBBER CHEMICALS**  
**-ACCELERATORS-**  
**SULFENAMIDES**

## ACCELERATOR BBTS

(N-tert-butyl-2 benzothioazolesufenamide)

### PRODUCT DESCRIPTION:

Accelerator BBTS is a widely used, delayed action accelerator for natural and synthetic rubbers. It provides excellent scorch safety with fast cure rates and is activated by acidic materials such as stearic acid. BBTS can be used at reduced levels of about ten percent because of its higher activity as compared to other sulfenamides. BBTS gives slightly less processing safety than OBTS. BBTS can be used in conjunction with Cure-Rite 18 to formulate compounds having high modulus and good heat aging.

### TYPICAL PROPERTIES:

Appearance . . . . .	light tan powder, 2mm pellets or sp pellets (sp - soft pellets)
Specific Gravity . . . . .	1.29 +/- 3
Melting Point . . . . .	104°C min.
Ash . . . . .	0.5% max.
Methanol Insolubles . . . . .	1.0% max.
Nitrogen . . . . .	11.49% - 11.71%
Heat Loss. . . . .	0.5% max.

### CHEMICAL DISPERSIONS:

Accelerator BBTS is also available as Akroperse® TBBS-75/EPR/S-B. This polymeric masterbatch contains 75% Accelerator BBTS and has a specific gravity of 1.15. Polymer bound or encapsulated dispersions are a proven means of upgrading plant safety, efficiency, quality and raw material control.

jh 1298, t-bbts

Included with its product literature and upon the request of its customers, Akrochem provides product specifications and evaluations, suggested formulations and recommendations and other technical assistance, both orally and in writing (collectively the "Technical Information"). Although Akrochem believes all Technical Information to be true and correct, it makes no warranty, either express or implied, as to the accuracy, completeness, or fitness of the Technical Information for any intended use, or the results which may be obtained by any person using the Technical Information. Akrochem will not be liable for any cost, loss or damage, in tort, contract or otherwise, arising from customer's use of Akrochem products or Technical Information. It is the customer's sole responsibility to test the products and any Technical Information provided to determine whether they are suitable for the customer's needs. Before working with any product, the

customer must read and become familiar with available information concerning its hazards, proper use, storage and handling, including all health, safety, and hygiene precautions recommended by the manufacturer. Nothing in the Technical Information is intended to be a recommendation to use any product, method, or process in violation of any intellectual property rights governing such product, method, or process. No license is implied or granted by Akrochem as to any such product, method, or process. AKROCHEM CORPORATION DISCLAIMS ANY AND ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE, RELATED TO ANY PRODUCTS OR TECHNICAL INFORMATION PROVIDED BY AKROCHEM.