



3770 EMBASSY PARKWAY AKRON, OHIO 44333  
330-535-2100 ♦ 800-321-2260 ♦ FAX 330-535-8947

**RUBBER CHEMICALS**  
**-ACCELERATORS-**  
**THIURAMS**

**ACCELERATOR TiBTD PELLET**  
**(N, N, N', N'-tetrakisobutylthiuram disulfide)**

**PRODUCT DESCRIPTION:**

Accelerator TiBTD is a non-staining ultra accelerator for use in natural and synthetic rubbers such as EPDM, SBR, NBR, and others. TiBTD produces very low levels of nitrosoamines (100 times less than common thiurams). It is a fast-curing accelerator with very stable crosslink formation in rubber vulcanizates.

**TYPICAL PROPERTIES:**

Appearance.....	off-white pellet
Heat Loss.....	<0.5% (max)
Melting Point.....	65-75°C
Specific Gravity.....	1.14
Packaging.....	55.1 pound cartons

**APPLICATIONS:**

Compounds utilizing TiBTD have good scorch protection and cure rate. TiBTD yields good reversion resistance in natural rubber formulations. Sulfenamides can be accelerated to cure faster with minimal loss in scorch delay by replacing 20% of the sulfenamide with TiBTD. Being a higher molecular weight accelerator, more TiBTD (by weight) should be used if replacing other thiurams (1.7 x TMTD PHR; 2.0 x TMTM; 1.4 x TETD). The exception is the replacement of TBzTD which requires only 0.75 as much TiBTD. The lower level of nitrosoamine generation allows for a safer working environment.

Acc. TiBTD.doc 1/25/2022 TEE

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.