



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

RUBBER CHEMICALS
-ACCELERATORS-
THIURAMS

ACCELERATOR TBzTD
(Tetrabenzylthiuram disulfide)

PRODUCT DESCRIPTION:

Accelerator TBzTD has been developed to replace thiurams such as TMTD in cases where the presence of harmful nitrosoamines is of concern. The dibenzylnitrosoamine is not carcinogenic, according to published literature. TBzTD is a fast curing primary or secondary accelerator and sulfur donor in NR, SBR and NBR applications. It is safer processing than TMTD and thus does not provide the curing activity (i.e. state-of-cure is lower and rate-of-cure is slower) of TMTD. Modest changes to the curing package (higher levels of elemental sulfur) can overcome this. In CR, TBzTD is a retarder when used with ETU.

TYPICAL PROPERTIES:

Appearance	Lt. cream powder
Melting Point	130°C
Heat Loss	0.5%
Ash	0.5%
Specific Gravity	1.40

HANDLING PRECAUTIONS:

Not a skin or eye irritant. Not a skin sensitizer (guinea pigs). This product is a minimal eye irritant and practically non-irritating to skin. Avoid breathing dust or vapors. Use with adequate ventilation.

rh 8/11, t-tbzt

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.