



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

RUBBER CHEMICALS -RETARDERS-

RETARDER SAX

DESCRIPTION:

Retarder SAX is composed of 90% technical salicylic acid/ 10% light paraffinic oil and is utilized as a vulcanization inhibitor for SBR and Natural Rubber compounds. It is especially effective with thioazole, thiazoline and thiuram accelerator systems to prevent scorching at processing temperatures. The recommended level of usage is approximately 0.5 - 1.0 phr. A slight phr adjustment may be necessary to achieve the desired processing safety. Retarder SAX also slows reversion of natural rubber compounds.

Retarder SAX is also recommended as an accelerator for mercaptan type polychloroprenes (M Bayprens or W Neoprenes). 1-2 phr of Retarder SAX in "gum" of lightly loaded "M" or "W" type polychloroprenes produces vulcanizates with high modulus and high elongation to break. Retarder SAX is also effective in lead press cured mineral filled "M" or "W" type polychloroprenes compounds where sulfur cannot be tolerated. Retarder SAX is not recommended in black filled CR stocks due to potential scorch reductions. SAX will also accelerate the crosslinking of two-step phenolic resins.

TYPICAL PHYSICAL PROPERTIES:

Appearance.....	off-white crystalline powder
Odor	slight
Specific Gravity	1.35
Moisture	0.20% max.
Ash	0.10% max.
Storage Stability.....	excellent
Dispersibility.....	disperses easily in dry polymers
Toxicity	may cause skin irritation, avoid contact with skin or eyes and breathing of dust.
FDA Status.....	meets CFR21, section 177.2600

CHEMICAL DISPERSIONS:

Retarder SAX is also available as Akroform SA-80/EPR/P. This polymeric masterbatch contains 80% Retarder SAX and has a specific gravity of 1.22. Polymer bound or encapsulated dispersions are a proven means of upgrading plant safety, efficiency, quality and raw material control.

TC 1111, t-retarder sax

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.