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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.