

Product Information



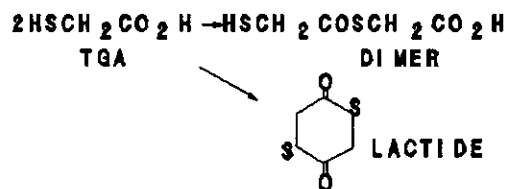
PB-9-7

THIOGLYCOLIC ACID (TGA) DEGRADATION

The unique structural characteristics of TGA make this Elf Atochem product ideal for formulation into cosmetic products, synthesis into PVC stabilizers and many other applications.

This product's three reactive sites permit a wide variety of chemical reactions including addition, elimination or cyclization reactions. One such reaction is the "self-esterification" that is observed with TGA concentrations greater than 83 wt. %.

Reaction Mechanism



This "self-esterification" reaction results in assay loss of approximately 2% a month at 72°F.

To maximize the shelf life and purity of TGA, Elf Atochem recommends storing the product at 50°F in a bulk cold storage tank. (Blueprints are available upon request.) Cold storage inhibits the esterification reaction thereby maintaining product integrity for up to six months.



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