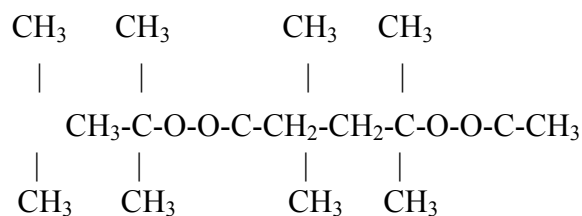




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RUBBER CHEMICALS
-PEROXIDES-

AKROCHEM[®] DDPH Liquid
AKROCHEM[®] DDPH-50
AKROCHEM[®] DDPH-50S



PRODUCT DESCRIPTION:

Akrochem DDPH is a liquid dialkyl peroxide for use as a cross-linking agent for synthetic and natural rubbers. Akrochem DDPH-50 is a 50% active dispersion of the liquid peroxide on calcium carbonate. The dispersed forms provide improved handling characteristics and properties associated with powdered compounding ingredients. [Note: The true active peroxide is 45-46% in the DDPH-50 products. This is because the pure liquid is approx. 92% active. The pure product is always cut for safer handling. Some suppliers list their products as 45% active and others use 50%]. Akrochem DDPH-50S is a 50% dispersion of DDPH in silicone fluid for silicone applications.

TYPICAL PROPERTIES:

Specific Gravity:

DDPH Liquid	0.87
DDPH-50	1.50
DDPH-50S	1.02

Appearance:

DDPH Liquid	clear liquid
DDPH-50	off-white powder
DDPH-50S	white paste

APPLICATIONS:

Akrochem DDPH peroxide is used as a catalyst for cross-linking a variety of synthetic rubbers including EPR, EPDM, EVA, NBR, polychloroprene, PVC, chlorosulphonated polyethylene, SBR, polyurethane, and silicone. The powdered form provides ease of handling and weighing accuracy. DDPH peroxide is a low odor catalyst and due to its aliphatic structure, imparts a minimal amount of discoloration in the final cure. Typical dosages range from 1.0 to 10.0 phr depending on polymer type and filler loadings. In its liquid form, DDPH is a clear, colorless liquid which can be used as a cure catalyst in applications where optical clarity is essential. Unlike Bis (t-butylperoxy) diisopropylbenzene peroxide ("Vulcup" type), DDPH peroxide will not bloom from EPDM's. In silicones, only vinyl-containing polymers can be cured. In peroxide-curable FKM, use 2.5 phr DDPH-50-IC peroxide along with 4 phr coagent Akrosorb 19251 (72% TAIC).

DDPH is acceptable under FDA 177.2600 Regulations, Sec.(b) "Accelerators" under the chemical name: (1,1,4,4-Tetramethyltetramethylene) bis-tert-butyl peroxide.

gpb - 12/10, DDPH

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