FedChem

MANALOX® 240

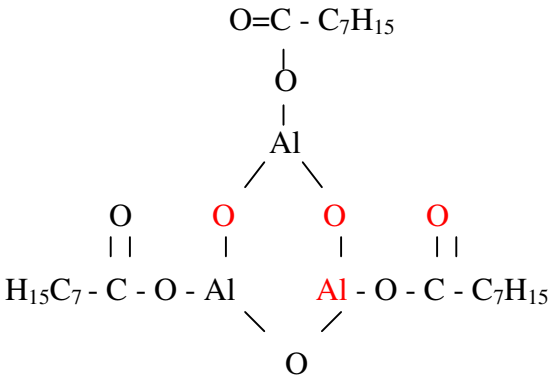
POLYMERIC THICKENING AGENT FOR RESIN SYSTEMS

DESCRIPTION

MANALOX 240 (EZO) is a solution of polymeric oxoaluminum octoate (OAO) in high boiling ink oil solvent. It has a controlled reactivity and can be added to most hot varnishes without the necessity of further dilution.

CHEMICAL FORMULA

It is theorized that the active ingredient in MANALOX 240 can be represented as follows:



Chemically, it is the same as the familiar OAO but it is believed to be in this highly stable cyclic trimer form.

PHYSICAL PROPERTIES

Appearance	Straw Colored Liquid
Specific Gravity (25°C)	0.95
Active Material	62 ± 1%
Aluminum Content	9.1 ± .1%
Flash Point (PMCC)	> 142°F
Solvent Type	Magiesol 47 or equivalent

USE INFORMATION

Although the type of gell structure should be quite similar to that which is produced by MANALOX 230 (OAO), the more stable form of MANAOLX 240 causes the gelling reaction to go more slowly. Complete gelling takes about 30 to 60 minutes at temperatures of 320°- 350°F. Cooking temperatures below 320°F are not recommended. Because of this slow reactivity, MANALOX 240 can be added directly to most hot varnish formulations without predilution in solvents, giving the varnish maker more control over the gellation step.

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