



Hypax 450-20-50 A3

Calcium soap of oxidised wax in solvent

Product description

Hypax 450-20-50 A3 is a calcium soap of Hypax 450 oxidate which is used to formulate products to meet the requirements of MIL-C-16173D-4 and related specifications for automotive cavity and underbody protection.

The product is also used as a water displacing preservative coating for crude oil drilling pipes exposed to severe salt-water attack.

Hypax 450-20-50 A3 will deposit a soft wax film after solvent evaporation which will provide self-healing properties when the film is disrupted due to abrasion.

Typical analysis

Property	Test	Units	Typical Analysis
Appearance	Visual		Soft brown solid
Melting point (supplied)	ASTM D127	°C	20-35
Melting point (dry soap)	ASTM D127	°C	100-130
Flash point	ASTM D92	°C	40
Relative density	@ 15.5°C		0.92
Non volatile content	1 hour @ 150°C	% w/w	56.0

Application

Hypax 450-20-50 A3 is usually blended with barium, sodium or calcium sulphonates, oil and/or solvent and for enhanced water displacement 1 or 2% of 2-butoxyethanol (CAS no. 111-76-2). For harder films, high melting point waxes are added along with powdered calcium carbonate or talc. For thixotropic films, crystalline calcium sulphonates are incorporated at typically 10% w/w.

At under 40% solids, there may be some instability in solution.

Packaging

Hypax 450-20-50 A3 is available in 170Kg net weight steel drums or as required by the customer. The recommended shelf life of this product is 2 years.

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