



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 under body protection.

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

H.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 values

Property	Test	Units	Typical analysis
Appearance	Visual		Soft brown solid
Melting point (supplied)	ASTM D - 127	°C	20-35
Melting point (Dry soap)	ASTM D - 127	°C	100-130
Flash point	ASTM D - 92	°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.

Packaging

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

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