



Hypax 450

Oxidised hydrocarbon wax

Product description

Hypax 450 is an oxidised hydrocarbon wax, designed as an intermediate for the preparation of oil or solvent soluble metal preservative coatings by reaction with alkali metal oxides to make “soaps” or by reacting with alcohols to form esters. Soaps or esters are often used in conjunction with sulphonates to give long-term protection to metal objects subject to atmospheric weathering. Coatings made using Hypax 450 soaps are tough and very water repellent.

Typical analysis

Property	Test	Units	Typical Analysis
Appearance	Visual		Brown solid
Acid number	ASTM D974	mg KOH/g	50
Saponification number	ASTM D94	mg KOH/g	100
Melting point	ASTM D127	°C	50-55
Flash point	ASTM D92	°C	>175
Relative density	@20°C		0.88

Application

Hypax 450 can be reacted with overbased barium, calcium sulphonates, calcium hydroxide, sodium hydroxide or amines. Reaction vessels must be charged at no more than 60% of their total volume to handle the foaming which results during neutralisation. Final temperature must be above 120°C to remove water of reaction.

Hypax 450 can also be reacted with alcohols to make esters.

Packaging

Hypax 450 is available in 170Kg net weight steel drums or as required by the customer.

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