



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 D - 974	mgKOH/g	50
Saponification number	ASTM D - 94	mgKOH/g	100
Melting point	ASTM D - 127	°C	52
Flash point	ASTM D - 92	°C	>175
Relative Density	@20 °C		0.88

Application

Hypax 450 can be reacted with over based barium or calcium sulphonates or 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 170 Kg net weight steel drums or as required by the customer.

Fulbeck Limited, Fulbeck Road, Newton Aycliffe. DL5 6TX. UK

Tel 0044 (0) 1325 314848. Fax 0044 (0) 1325 314969. admin@fulbeck.uk.com

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