SPCRYL 170 E

HIGH PERFORMANCE DISPERSION

Description

SPCRYL 170 E is an ammonia based high performancedispersion resin solution for high concentrated pigmentdispersions to be used in water based inks.

Key features & Benefits

- Higher Pigment Loading
- Superior color development
- Pigment savings
- Excellent rheology and transfer
- Gloss and transparency
- Improved stability with letdown emulsions

Physical Properties

- Appearance	Clear solution
- pH (30°C)	8 to 9
- Non-Volatile	29 – 30 %
- Molecular Weight, Mw	17,500 GPC
- Viscosity, (30°C)	4000 – 6000 cps
- Acid Number (mg KOH/gm)	220 - 240
- Glass Transition Temp., (Tg)	100 - 105° C DSC
- Freeze/thaw stable	Yes

Typical formulations using SPCRYL 170 E

Formulations	**A**	**B**	**C**
Lithol Rubine 57:1	40	-	-
Phthalo Blue 15:3	-	40	-
Carbon Black	-	-	40
SPCRYL 170 E	37.1	37.1	37.1
Antifoam	0.5	0.5	0.5
Water	22.4	22.4	22.4
Total	**100**	**100**	**100**

Applications

SPCRYL 170 E is a highest molecular weight, high acid value resin solution specifically designed to optimize the grinding of pigments while still offering excellent ink stability. Dispersions made with **SPCRYL 170 E** exhibit excellent rheology properties. This allows for higher pigment loadings, which are a trend in the industry. Due to its superior color development capability it is often possible to achieve equal color strength at reduced pigment levels.

International Listings

SPCRYL 170 E is listed in the national inventories of all major markets. For further details, please contact the product manager.

Storage and Stability

In unopened packaging Shiva Pharmachem Limited guarantee's, a shelf life of at least 12 months if stored properly. In case of opened packaging, should be closed tightly after use and stored under cool and dry conditions.

Standard Packaging

SPCRYL 170 E is packed in 210kgs HDPE Drums / 1000kgs IBC.

Safety

When handling these products, advice and information given in the safety data sheet must be complied with. Further, protective and workplace hygiene measures adequate for handling chemicals must be observed.

Note