

SPCRYL 296

HIGH PERFORMANCE RESIN SOLUTION FOR HIGHLY PIGMENTED DISPERSIONS

Description

SPCRYL 296 is high performance dispersion resin solution designed to improve the viscosity and shock stability of highly pigmented dispersions.

Key features & Benefits

- Enables high pigmented low viscosity dispersions
- Improves storage and shock stability
- Reduces mill time

Physical Properties

- Appearance	Clear solution
- Non-Volatile	35.5%
- Molecular Weight, Mw	11,500 GPC
- Acid Number (mg KOH /gm)	141
- Glass Transition Temp., (Tg)	15° C DSC
- Viscosity, (cps30°C)	600
- pH (30°C)	8.7

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 296 is packed in 210kgs HDPE Drums / 1000kgs IBC.

Typical formulations using SPCRYL 296

Pigment dispersions

The improved rheology characteristics of SPCRYL 296 resin enable the manufacture of high pigment loading, low viscosity organic color dispersions that are viscosity stable under normal storage conditions.

Formulations	A	B	C	D
Lithol Rubine 57:1	40.0	-	-	-
Phthalo Blue 15:3	-	46.0	-	-
Diarylide yellow	-	-	44.0	-
Carbon Black	-	-	-	42.0
SPCRYL 296	27.6	31.8	30.4	38.7
Antifoam	1.0	1.0	1.0	1.0
Water	31.4	21.2	24.6	18.3
	100	100	100	100
Pigment to binder ratio	4/1	4/1	4/1	4/1

Typical procedure

- 1) Pre-blend batch to uniformity using high speed dispersing equipment.
- 2) Feed blend into a small media mill.
- 3) Increase speed and disperse to required fineness of grind.

International Listings

SPCRYL 296 is listed in the national inventories of all major markets. For further details, please contact the product manager.

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

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.