



## TALLICIN® K-7

Polymeric Dispersant

### TYPICAL CHARACTERISTICS

Appearance .	Pale Yellow to Brown Waxy Solid/Viscous Liquid
Flash Point, °C. (P-M)	188° C
Pour Point	35°C
Color, Gardner	14 max.
Specific Gravity (25°C)	0.93
Anchor Type	Cationic
Acid Value	≤30 mg KOH/g
Decomposition Temperature	≥ 250° C
Active	100%

### COMPATIBILITY

Tallicin® K-7 is suitable for systems containing petroleum oils or solvents traditionally used in Offset Ink, Publication Gravure and Industrial Maintenance Coatings. Tallicin® K-7 is also particularly suitable in the manufacture of flushed colors.

### APPLICATIONS

Tallicin® K-7 is a polymeric dispersant with multiple anchor groups that can be used to disperse inorganic and organic pigments to be used in the formulation of Offset Inks, Publication Gravure Ink and Solvent base Coatings. Tallicin® K-7 will improve pigment wetting, color development, and storage stability. It will allow a formulator to reduce the viscosity of the mill base or increase the pigment loading which will improve efficiency and reduce the cost of production.

The information contained herein is to the best of our knowledge true and accurate and any suggestions are made without guarantee, express or implied, since the conditions of use are beyond our control. Pflaumer Brothers, Inc. disclaims any liability incurred in connection with the use of these data or suggestions.

In the preparation of flushed colorants, Tallicin® K-7 will reduce the time for the presscake to enter the non-aqueous phase. The reduced production time leads to improved efficiency in the production of flushed colorants and lower cost production.

## **FEATURES**

Increased Pigment Concentration in the Mill Base

Reduced Milling Time

Reduced Viscosity, Higher Brightness and Gloss

Improved Storage Stability

Efficient Flushing Aid

Improved Flow in Final Ink

## **PROUDUCT USES (For professional use only. Not intended for retail sales.)**

The level of Tallicin® K-7 should be determined by the surface area of the pigment to be dispersed. The following formula will determine the recommended usage level:

$(\text{Pigment Surface Area}) \div 5 = (\text{Per cent dispersant on the weight of the pigment})$

If the pigment surface area is unknown then it is recommended that Tallicin® K-7 should be added to the mill base between 5 and 20% based upon dry organic pigment weight and 2 to 5% on the dry weight of inorganic pigment.

Pflaumer has developed a large data base of various pigment surface areas and/or suggested formulations which can be provided upon request.

For Flushed Colors it is recommended as a starting point that Tallicin® K-7 be used at 5 to 7% of the dry pigment weight.

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## **CONTAINER SIZES**

5 Gallon Pails (40 Lb/18.14 Kg)

55 Gallon Drums (441 Lb/200 Kg)

275 Gallon Totes (2,205 Lb/1,000 Kg)

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