

**Tallicin® E-16 Polyester Polyol
in n-Butyl Acetate for High-Performance Coatings**

TYPICAL CHARACTERISTICS

Appearance	Slightly Yellow Clear Liquid
Weight Per Gallon, Lbs	9.57 ± 0.1
Flash Point, °C (Seta)	41
Equivalent Weight, Avg (As Supplied)	386
Non-Volatile by Weight, %	80
Hydroxyl Number	145
Hydroxyl Content, wt %	4.4
Acid Number	10
Viscosity @23°C, mPa*s (Approx.)	6,000

COMPATIBILITY

Tallicin® E-16 is a saturated polyester polyol resin supplied in Butyl Acetate at 80% solids. Tallicin® E-16 is soluble in glycol ethers, ketones, esters, and chlorinated solvents as well as aromatic hydrocarbons. The product is incompatible with aliphatic hydrocarbon solvents. The compatibility of Tallicin® E-16 with resins and polyisocyanates in formulations must be evaluated and tested before use, both in the laboratory and in field trials.

APPLICATIONS

Tallicin® E-16 is specifically designed for use in 2K polyaspartic coatings with both aromatic and aliphatic polyisocyanates for both metal and plastic substrates. High solids, high performance coatings can be formulated with Tallicin® E-16 for industrial, maintenance and transportation applications. Formulations based on Tallicin® E-16 offer high gloss, excellent color fastness and exceptional chemical resistance. Over-indexing with polyisocyanates can enhance chemical resistance even more.

KEY FEATURES

- Provides excellent chemical resistance, high gloss, and long-lasting color retention.
- For application on metal, plastics and other substrates.
- Can be formulated for high performance, high solids coatings.

RECOMMENDED USE LEVELS

The formulator should determine by ladder studies the level of Tallicin® E-16 that is most suitable and effective by thorough testing and evaluation, in both laboratory and in field trials, either by itself or in combination with other resins.

Pflaumer offers other products for formulating 2K coatings:

- Terachem® 53-Colorants – 37 Ready-to-use pigment dispersions for 2K polyurethanes and polyaspartics, including color packs for on-site use
- Teracure® Aliphatic Polyisocyanates
- Teraspartic® Polyaspartic Amines
- Terachem® 53-2242 – Anti-sag additive for 2K polyaspartics
- Terachem® 53-2371 – Aluminum Oxide Nano-Dispersion for 2K polyaspartics
- Tallicin® 1500 – Flow and leveling modifier
- Tallicin® 3000 – Pot life extender for trimer-type isocyanates used in 2K polyurethanes
- Tallicin® 4000 – Bubble-release agent and flow/leveling modifier for high-solids polyurethanes
- Tallicin® 4040 – Deaerator, bubble-release, flow and leveling modifier for solvent-free polyaspartics and polyurethanes
- Tallicin® 4600 – Stabilized Tin Catalyst for Polyurethanes

SAFETY, STORAGE, AND HANDLING

Consult MSDS before use. Since Tallicin® E-16 is hygroscopic, store Tallicin® E-16 in tightly sealed containers to prevent moisture contamination. Prevent contact with moisture and excess humidity. Once opened, any remaining Tallicin® E-16 in the container is best stored under dry nitrogen blanketing. Store, transfer, and handle under a nitrogen blanket. Replace damaged gaskets on drums or totes. Keep storage temperatures at 0°C - 50°C (32°F - 122°F).

Shelf life of Tallicin® E-16 is 12 months from date product is shipped by Pflaumer and then maintained in original closed containers and stored in proper storage conditions at 25°C (75°F). If repackaging, use containers that will prevent moisture contamination.

CONTAINER SIZES

5 Gallon Pail (44 Lb/20 Kg)
55 Gallon Drum (500 Lb/227 Kg)

10/09/14