



TECHNICAL DATA SHEET

Setal 11-1397

A fast drying chain-stopped tall oil alkyd resin

General description:

Setal 11-1397 is a chain-stopped tall oil alkyd resin for use in the manufacture of general industrial air dry or bake enamels and refinish enamels for autos or trucks. Crosslinking Setal 11-1397 with aminoplasts or isocyanate resins gives good durability and resistance to solvents and moisture.

Technical features:

1. Fast set and cure speed in enamels or conversion varnishes
2. Low temperature cure or short oven dwell times when force dried (160 - 180°F surface temperature) or baked
3. Good gloss, color and color retention with aminoplast or isocyanate crosslinkers

Suggested uses:

1. Fast drying vehicle for enamels with good color, color retention and good gloss properties
2. Good vehicle for formulation of general industrial metal enamels both air dry and bake
3. Combine with isocyanates for auto or truck refinish enamels

Delivery form: 50% non-volatile in xylene

Typical properties:

Property	Value	Units	Method *
Non-volatiles, by weight	50.0 ± 1.0	%	1 – 1
Viscosity (77°F)	Z1 – Z3	Gardner-Holdt	2 – 1
Color	6 maximum	Gardner	3 – 1
Acid value on solids	12 maximum	mg KOH/gm	5 – 1
Appearance	clean, clear and free from extraneous matter		7 – 1

* SDM: Nuplex Resins methods of determination (available on request)

Density: 8.30 ± 0.10 lbs./gal HEW on n.v. = 550
Flash point: 81°F TCC
Reduced viscosity: L – O @ 40%n.v. in xylene
Non-volatiles, by vol.: 42.6% *On DSL Inventory*

Updated: January, 2007

All information, recommendations and suggestions, concerning the product and its use, are believed to be reliable. However, Nuplex Resins gives no assurance as to the accuracy, completeness, or adequacy for a particular purpose. It is the user's responsibility to determine the suitability for its own use of the products. No guarantee (whether expressed or implied) is made by Nuplex Resins as to the results to be obtained from using the described products, nor shall Nuplex Resins be liable for any use by others of the described products. Users are responsible for ensuring compliance with local legislation and obtaining the necessary certifications and authorizations. All orders are subject to the general conditions of sale of Nuplex Resins, which are printed overleaf and/or can be downloaded from www.nuplexresins.com. All of user's general terms and conditions are herewith deemed rejected. Nuplex Resins owns all copyrights and other intellectual property rights in the contents of this document. Reproduction or redistribution in any form is not allowed.