



## TECHNICAL DATA SHEET

### Setal 11-1399

A very fast drying chain-stopped tall oil alkyd resin

#### General description:

Setal 11-1399 is a chain-stopped tall oil alkyd resin for use in the manufacture of general industrial air dry, force dry or bake enamels for metal. Setal 11-1399 may also be used in conversion coatings for wood furniture and bath or kitchen cabinets. Crosslinking Setal 11-1399 with aminoplast resins gives good durability and resistance to solvents and moisture.

#### Technical features:

1. The ultimate in cure speed for conversion varnishes and sealers
2. Fast dry and very good coverage when used in air dry or force dry (160 - 180°F surface temperature) enamels
3. Good gloss, color and color retention with aminoplast crosslinkers

#### Suggested uses:

1. The fastest curing alkyd for use in conversion varnishes or sealers
2. Good vehicle for formulation of general industrial metal enamels both air dry and bake
3. Recommended vehicle for fast dry high build primers and surfacers

**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)	Z2 – Z4	Gardner-Holdt	2 – 1
Acid value on solids	10 maximum	mg KOH/gm	5 – 1
Color	5 maximum	Gardner	3 – 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.	400
Flash point:	81°F Setaflash		
Reduced viscosity:	H – K @ 40% n.v. in xylene		
Non-volatiles, on vol.:	42.0%		<i>On DSL Inventory</i>

**Updated:** January, 2009

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](http://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.