



## TECHNICAL DATA SHEET

### Setal 51-1492

A chain-stopped alkyd resin

#### General description:

Setal 51-1492 is a chain-stopped soybean oil alkyd resin for use in the manufacture of general industrial air dry or force dry (160 - 180°F surface temperature) enamels. Setal 51-1492 is a quick-curing resin similar to Setal 11-1390, but a lower HAPs version.

#### Technical features:

1. Positive dry with good film hardness
2. Good color and color retention, gloss retention in exterior paints
3. Good solvent tolerance and good compatibility

#### Suggested uses:

1. Excellent vehicle for formulation of industrial metal enamels force dry, air dry and bake
2. Fast-drying topcoat with good exterior durability
3. Topcoats for agricultural implements, construction, and heavy equipment end uses

**Delivery form:** 60% non-volatile in t-butyl acetate/ aromatic 100/ n-butyl acetate (84/ 8/ 8 pbw)

#### Typical properties:

Property	Value	Units	Method *
Non-volatiles, by weight	60.0 ± 1.0	%	1 – 1
Viscosity (77°F)	Z – Z2	Gardner-Holdt	2 – 1
Color	7 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: 8.55 ± 0.10 lbs./gal HEW on n.v.: 570

Flash point: 62°F Setaflash

Reduced viscosity: K – O @ 50% n.v. in t-butyl acetate

Non-volatiles, by vol.: 52.7

0.917 lbs/gal (109 g/l)

VOC (EPA):

*On the DSL Inventory*

**Updated:** February, 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](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.