



TECHNICAL DATA SHEET

Setal 51-1111

Low VOC short oil non-oxidizing alkyd solution

General description:

Setal 51-1111 is a short oil alkyd resin solution supplied in a non-HAPs, VOC compliant solvent blend. This resin solution is a VOC compliant version of Setal 11-1111. Setal 51-1111 is designed for use in non-lifting cellulose nitrate lacquers, conversion varnishes and baking alkyds.

Technical features:

1. Pale color suitable for clear lacquers, conversion varnishes and pastel bake enamels
2. Fast dry with good lacquer hardness development for optimum print resistance
3. Low VOC coatings formulations that meet current MACT, CA and OTC VOC regulations

Suggested uses:

1. Excellent choice for lacquers, enamels and acid cure varnishes
2. Use where initial color and color retention are of prime importance
3. Use in lacquers or conversion varnishes requiring lowered HAPs solvents and exempt VOCs

Delivery form: 70% non-volatile in t-butyl acetate/ aromatic 100/ n-butyl acetate (75/15/10 pbw)

Typical properties:

Property	Value	Units	Method *
Non-volatile, by weight	70.0 ± 1.0	%	1 – 1
Viscosity (77°F)	Z2 – Z4	Gardner-Holdt	2 – 2
Color	3 maximum	Gardner	3 – 1
Acid value, on n.v.	12 maximum	mg KOH/g	5 – 1
Appearance	clean, clear and free from extraneous matter		7 – 1

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

Reduced viscosity: R – V @ 60% in t-butyl acetate
 Density: 8.95 ± 0.10 lbs./gal HEW on n.v.: 430
 Flash point: 62°F Setaflash
 Non-volatile, by vol: 62.9

VOC content (EPA): 0.92 lbs/gal (110 g/l)

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. 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.