



## TECHNICAL DATA SHEET

### Setyrene 23-3320

A high solids acrylic modified alkyd

#### General description:

Setyrene 23-3320 is a low HAPs containing copolymer alkyd. The exterior durability of the Setyrene 23-3320 is improved over that of the Setyrene 23-3317, Setyrene 23-3318 and Setyrene 23-3319 family of products. Setyrene 23-3320 possesses the desirable properties of fast set and dry speed with high gloss, improved UV durability, and good general film performance. This resin will allow formulation of 3.5 / 420 VOC coatings. Improved flexibility may be attained via modification with C.P. Hall's Paraplex G-31 or other similar plasticizers at the level of 5 to 7% on resin non-volatile.

#### Technical features:

1. Non-volatile and viscosity will allow 3.5 pound/gallon or 420 grams/liter VOC formulations
2. Gloss and dry speed that will meet most industrial needs
3. Low polyisocyanate demand, if isocyanate crosslinking is preferred

#### Suggested uses:

1. VOC compliant general industrial direct-to-metal enamels and topcoats
2. Coatings for agricultural implements and construction equipment
3. Compliant coatings for automotive under-hood parts

**Delivery form:** 75% n.v. in MAK / n-butyl acetate/ MPK/ xylene/ aromatic 100  
(32 / 25/ 20/ 13/ 10 pbw)

#### Typical properties:

Property	Value	Units	Method *
Non-volatile, by weight	75.0 ± 1.0	%	1 – 1
Viscosity, @ 75°F	Z3 – Z5	Gardner-Holdt	2 – 1
Color	5 maximum	Gardner	3 – 1
Acid value, on solids	2 maximum	mg KOH/g	5 – 1
Appearance	clean, clear to slightly hazy and free from extraneous		7 – 1

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

Density: 8.45 ± 0.10 lbs./gal HEW on n.v.: 1300  
Flash point: 46 °F Setaf flash  
Non-volatile, by vol.: 69.9%

*On DSL Inventory*

**Updated:** February, 2014

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.