

## INTRODUCTION

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.

## TYPE

Short oil alkyd solution

## FORM OF DELIVERY (F.O.D.)

70% non-volatile in t-butyl acetate/ aromatic 100/ n-butyl acetate  
Ratio of solvents: 75/15/10 pbw

## PRODUCT DATA

Non-Volatile, by wt:	70.0 ± 1.0 %
Viscosity (77° F):	Z2 – Z4 Gardner – Holdt
Color:	3 maximum Gardner
Acid value, on NVW:	12 maximum mg KOH/g
Appearance:	Clean, clear and free from extraneous matter
Density:	8.95 ± 0.10 lbs/gal
HEW on NVW:	430
Non-volatiles, by vol:	62.9%
Flash point:	62° F Setaflash
VOC content (EPA):	0.92 lbs/gal (110 g/l)
Reduced viscosity:	R – V Gardner – Holdt @ 60% in t-butyl acetate

## PERFORMANCE HIGHLIGHTS

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

## SUGGESTED USES

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

## STORAGE

In the original sealed containers, this product is stable for 2 years at temperatures up to 100°F.

## PRECAUTIONS

Before using SETAL 51-1111, see the Safety Data Sheet (SDS) for information on the identified hazards of the material and the recommended personal protective equipment and procedures.

## STORAGE AND HANDLING

Care should be taken not to expose the product to high temperature conditions, direct sunlight, ignition sources, oxidizing agents, alkalis or acids. Storage and handling should be in stainless steel, amber glass, amber polyethylene or baked phenolic lined containers. Wash thoroughly after handling. Keep container tightly closed. Use with adequate ventilation. See the SDS for the recommended storage temperature range for SETAL 51-1111.