

## Technical Data Sheet

### Newell Long Oil Alkyd 41M70

**Product Name:** Newell LOA 41M70  
**Type:** Vegetable oil based Long Oil Alkyd  
**CAS No:** 63148-69-6

#### Product details:

A Long oil Soya Penta based Alkyd of highest quality that will meet the requirements of TT-R-266, Type 1, Class A.

The paints formulated from them a have:

- ✚ High Gloss.
- ✚ Rapid thorough dry.
- ✚ Non yellowing.
- ✚ Improved alkali Resistance.
- ✚ Excellent grinding Resin
- ✚ Good Brush, spray and roller coat characteristics.

#### Application and Uses:

**Newell LOA 41M70** is highly recommended for coatings for both Interior and Exterior, Architectural and Maintenance to make Primers, Topcoats, Clear coats.

It finds immense use in Marine, Railway, Government Specs, Oil Fortifiers.

**Newell LOA 41M70** may be used in combination with Short oil alkyd, Oils, Oleo Resinous Varnishes, Ester gums and Hard resins.

#### Specifications:

Particulars	Specification/Units
<b>Compositional details</b>	
Type of Oil	Soyabean
Oil length (%) Max	65
Phthalic Anhydride (based on Solids) Min %	23
Modifier	None

Product Properties	
Appearance	Amber Yellow liquid
Color (Gardner scale) Max	8
Non-volatiles (Solids) %	70+/-1
Solvent	Mineral Spirits
Acid value (on Solids) mg KOH/gm. Max	12
Viscosity (Gardner Holdt) °C/°F (25-77)	Z2-Z4
Viscosity @50% solids (Mineral spirits)	C-G
Average Lbs./Gal	7.95
Film Characteristics	
Air Dry	2- 2 ½ hours 4- 6 hours
Set to touch	
Tack free	
Resistance	
Weather	Excellent
Water	Excellent
Gasoline	Excellent
Recommended Driers (% metal on Resin solids)	
Cobalt drier %	0.6
Zirconium %	0.2
Compatibility (Modifier to Alkyd)	
Raw linseed oil	All Ratios
Phenolic Varnish	Compatible

#### Storage and Handling:

The product should be stored indoors in original, unopened, undamaged container in a dry place at storage temperature between (5-30) (41-86) °C/°F.

Exposure to direct sunlight should be avoided.

Shelf life Under above mentioned storage condition, the shelf life of the resin will be 12-month.

Follow SDS for all handling & storage purposes,

#### Packing:

**Newell LOA 41M70** is packed in 400 lbs Steel drums , or Totes or Bulk - road tanker – as needed.