



BLUEBELL POLYMERS PRIVATE LIMITED

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PRODUCT CODE: ALKYD / 01.02

BLUMER D-140 (70% in Xylene)

TYPE : Short oil length oxidizing DCO modified alkyd resin solution in Xylene.

SPECIFICATIONS :

| | |
|---|-----------------------------|
| 1) Appearance | Pale yellow viscous liquid. |
| 2) % Oil length | 40 |
| 3) Density @ 25 ^o C. | 1.02 - 1.06 |
| 4) % Solids @ 120 ^o C. for 2 hrs. | 68 - 72 |
| 5) Solvent | Xylene |
| 6) Viscosity @ 25 ^o C, of 50 % solid in Xylene, poises | 2 - 7 |
| 7) Acid value of resin solids, mg KOH/gm. | 25 max. |
| 8) Colour gardner of 50% solution | 4 max. |

SOLUBILITY : Blumer D-140 (70% in Xylene) is soluble in esters, ketones, higher alcohols, aromatic hydrocarbons and is insoluble in aliphatic hydrocarbons and water.

COMPATIBILITY : Blumer D-140 (70% in Xylene) is compatible with amino resins, nitrocellulose, medium molecular weight epoxy resins, phenolic resoles etc.

APPLICATIONS : Blumer D-140 (70% in Xylene) is very light colour, extremely fast drying oxidizing alkyd resin giving outstanding toughness and durability. It can be used in acid catalyzed wood lacquers where its excellent properties of gloss, hardness and water resistance will improve the performance of the lacquer. Blumer D-140 gives high gloss and through drying properties. It is most suitable for primers for ferrous and light metals and insulating varnishes. Blumer D-140 is recommended for general purpose fast drying baking enamels for industrial equipments, machineries, household appliances, farm implements and other miscellaneous requirements not demanding absolutely non-yellowing and colour stable properties.

SUGGESTIVE FORMULATION :

1) Economical white baking enamel

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|------------------------------|------------|
| | kgs. |
| Titanium dioxide anatase | 18.3 |
| China clay | 5.1 |
| Blumer D-140 (70% in Xylene) | 35.2 |
| Synpol 1001 | 9.5 |
| Xylene | 29.6 |
| N-Butyl alcohol | <u>2.3</u> |
| Total | 100.0 |

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|--|---------|
| % Solids | 54.2 |
| Pigment binder ratio | 43 : 57 |
| Alkyd Amino ratio | 80 : 20 |
| Stoving schedule @ 120 ^o C, minutes | 30 |

2) Interior metal finishing baking enamel

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|------------------------------|------------|
| | kgs. |
| Titanium dioxide anatase | 20.0 |
| Lamp black | 0.1 |
| Blumer D-140 (70% in Xylene) | 34.3 |
| Blumer MF-1310 | 10.0 |
| Xylene | 30.6 |
| N-Butyl alcohol | <u>5.0</u> |
| Total | 100.0 |

| | |
|--|---------|
| % Solids | 50.0 |
| Pigment binder ratio | 40 : 60 |
| Alkyd Amino ratio | 80 : 20 |
| Stoving schedule @ 120 ^o C, minutes | 30 |

continued.....

DISCLAIMER: Above Specifications are subject to change without prior notice and company reserves the right to modify the same at any time

MATERIAL SAFETY DATA :

| | |
|--|--|
| Product name | Blumer D-140 (70 % in Xylene) |
| Flash point ° C. (Abel closed cup) | 30 |
| Flammability | Moderate fire risk due to presence of solvent like Xylene. |
| Toxicity | Mild toxic. |
| Handling | Keep away from sources of ignition, provide all electric connections of flame-proof design. Wear safety glasses, rubber gloves and protective clothings. |
| Emergency treatment and measures | |
| 1 Hygienic precautions | Adequate ventilations. |
| 2 Hygienic treatments (First Aid) | Flush eyes thoroughly with water. Apply ophthalmic cortisone for conjunctivitis and keratities. Wash out contaminated skin with soap and water. Gastric lavage (stomach wash), if swallowed, followed by saline catharsis. |
| 3 Fire precautions (in case of outbreaks) | Use dry chemical or carbon dioxide. Water spray may help to keep containers cool, to dilute leaked resins and to diffuse vapours. |
| Spills and leakage | Absorb liquid materials in sand and collect solid material and burn under hood in incinerator. |
| Disposal and waste treatment | Spray into furnace under controlled conditions. |

STORAGE :

Blumer D-140 should be stored in cool place under shade. The properties are so adjusted to have storage stability of minimum 6 months.

PACKING :

25 kgs. M.S. drums, 50 kgs. Plastic carboys and 200 kgs. M.S. barrels.

DISCLAIMER :

Information in this literature is to the best of our knowledge true and accurate. However, since conditions under which our products may be used are beyond our control, recommendations are made without warranty or guarantee.

Issue date : May 2016

Riv-05