

## BAS 311 X-65

### Short oil Alkyd Resin

Based on Soybean Oil Fatty Acid 65% in Xylene

#### Product Description:

BAS 311 X-65 is a short oil alkyd resin based on soybean oil fatty acid which offers very good hardness, surface and deep drying, adhesion, flexibility and pigment wetting and dispersing.

#### Characteristics and Advantages:

- Excellent gloss and gloss retention
- Very good hardness
- Very good surface and deep drying
- Very good adhesion and flexibility
- Very good pigment wetting and dispersing
- Very good solvent tolerance

#### Uses:

- Industrial paints and coatings
- Lacquers, stoving enamels and paints
- Nitro cellulose enamels and paints
- Wood coatings
- Amino modified lacquers, varnishes and clear coats

#### Technical Properties:

##### Physical data in liquid state at 25°C

These data are measured for each lot by our QC lab before its release.

| Properties            | Unit     | Value   | Test method |
|-----------------------|----------|---------|-------------|
| Oil content (approx.) | wt%      | 32      | Calculation |
| Color                 | Gardner  | Max 3   | ASTM D1544  |
| Viscosity (at 25°C)   | St       | 550-650 | ASTM D1545  |
| Acid number           | mg KOH/g | Max 10  | ASTM D1639  |
| Solid content         | wt%      | 65±1    | ASTM D1259  |

##### Typical Properties

These data are not subject to routine monitoring or part of the specifications; they are only reported for a better product description.

| Properties             | Unit              | Value  | Test method |
|------------------------|-------------------|--------|-------------|
| Density (at 23°C)      | g/cm <sup>3</sup> | 1.0331 | ASTM D1475  |
| Flash point (open cup) | °C                | 23.1   | ASTM D92    |

##### Dilutability (Internal test method)

|               |   |               |   |
|---------------|---|---------------|---|
| White Spirit  | ○ | Butyl Acetate | ● |
| Xylene        | ● | Acetone       | ● |
| Toluene       | ● | Butanol       | ⊙ |
| Ethyl Acetate | ● |               |   |

- = unlimited dilutability
- ⊙ = substantial dilutability

- ⊙ = limited dilutability
- = very limited or no dilutability

##### Compatibility (ASTM D688 @T=160°C)

|                          |              |                        |              |
|--------------------------|--------------|------------------------|--------------|
| Aliphatic Polyisocyanate | Compatible   | Long Oil Alkyds        | Incompatible |
| Medium Oil Alkyds        | Incompatible | Amino Resin            | Compatible   |
| Short Oil Alkyds         | Compatible   | Hydroxyl Acrylic Resin | Incompatible |

**Product safety and Environmental protection:**

The usual protective measures employed during the handling of Alkyd Resins should be observed. Further product safety information can be obtained from our Material Safety Data Sheet which is available on request.

**Packaging:** 200 kg (net) in steel drums.

**Storage:** Store in a cool place below 25 °C and away from moisture and direct sunlight.

**Disclaimer:** The information and in particular the recommendations relating to the application and use of Bonyan Kala Chemie products are given in good faith based on our current knowledge and expertise of the products when properly stored, handled and used under normal conditions within their shelf life. In practice, the differences in materials, chemistries and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request or can be accessed from [www.bonyankala.com](http://www.bonyankala.com).