

### Product Name

## ZELEC® LA-2

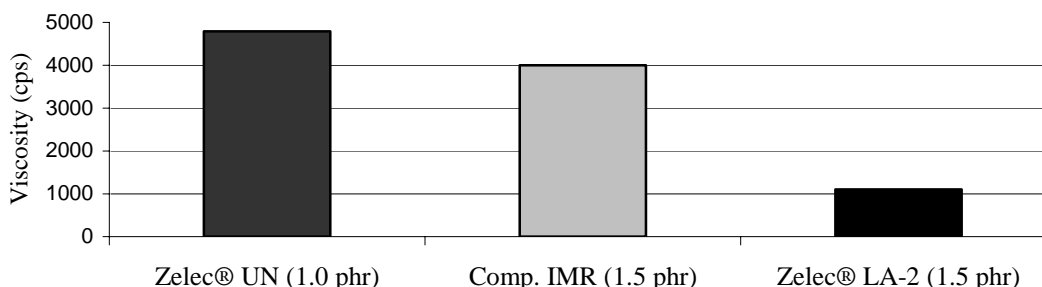
### Chemical Description

Low Acid Alcohol phosphate

### Applications

ZELEC LA-2 is used as a viscosity modifier and internal mold release agent in unsaturated polyester resin systems. ZELEC LA-2 acts as an internal mold release agent while lowering the viscosity of resin systems compared to other mold release systems. ZELEC LA-2 has shown this reduction in clay-, calcium carbonate- and aluminum trihydrate filled systems. ZELEC LA-2 has reduced acidity (5 mg KOH/g) compared to ZELEC UN (270 mg KOH/g) and ZELEC MR-1(90 mg KOH/g) and therefore shows no corrosion towards metal dies. The reduced acidity also allows for much lower viscosities in acid-sensitive pigment systems.

### Viscosity vs. IMR (Polyester Resin with 60 phr CaCO<sub>3</sub>)



### Typical Properties

|   |              |
|---|--------------|
| Appearance .....                          | Clear Liquid |
| Density, g/ml (lbs/U.S. gal) at 25°C..... | 0.993 (8.3)  |
| Actives, % .....                          | 100          |
| Flash Point (PMCC), °C (°F) .....         | >94 (>201)   |
| Boiling Point at 760 mmHg, °C (°F).....   | 200 (393)    |
| Freeze Point °C (°F) .....                | < -7 (<-46)  |
| Viscosity, cps at 25°C .....              | 135          |
| Acid Value, mg KOH/g sample.....          | 5, max.      |
| RVOC, US EPA, % .....                     | <0.01        |

### Biodegradability

ZELEC LA-2 is biodegradable.

### Toxicity

ZELEC LA-2 is slightly toxic orally (ld50 > 2000 mg/kg) and may cause skin/eye irritation.

### Storage & Handling

Normal safety precautions (i.e. gloves & safety goggles) should be employed when handling ZELEC LA-2. ZELEC LA-2 is corrosive, contact with eyes and skin should be avoided. ZELEC LA-2 should be stored in a cool, dry place in closed containers.

Standard Packaging: ZELEC LA-2 is available in bulk and 55 gallon drums (net weight 400lbs/181kg).

### Clearances

ZELEC LA-2 is TSCA registered. It is also available for sale in Europe under ELINCS 450-310-9. Product composition is considered a trade secret. The New Jersey Trade Secret Number is NJ1839-2088P.

ZELEC® is a registered trademark of Stepan Company.



Additional  
Safety  
Information

A Material Safety Data Sheet is available upon request.

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