



**Polar Industries, Inc.**  
[www.polarindustries.net](http://www.polarindustries.net)

# Zero-VOC HiBond™ 7012 EPOXIDIZED OIL

HiBond 7012 Epoxidized Oil is based on a new flax oil with 70 % C18:3 omega 3 non GMO. HiBond 7012 Epoxidized oil has a wide range of applications as epoxy adhesives and plasticizers. The oxirane value of 11.0 gives a much stronger bond...up to 37.5% stronger than other natural source adhesives. HiBond 7012 epoxidized oil is completely biodegradable and replaces other petrochemical based adhesives and plasticizers. Effective in stabilizing polymers against light, weather and very useful in highly strained plastic compounds,

HiBond 7012 epoxidized oil is more compatible with PVC and PE. HiBond 7012 epoxidized oil is conveniently priced, contains no water, and has no waste factor.



*Because it is based on natural oils, our epoxy resin for adhesive and plasticizer is non-toxic and environmentally friendly.*

## Low Odor Adhesive & Plasticizer

| <b>Product Specifications: HiBond 7012 (Epoxidized HiOmega® Linseed Oil)</b> |                                      |
|--|--------------------------------------|
| <b>Oxirane Oxygen, % by wt, min</b>  | <b>11</b>                            |
| <b>Acid Value: mg KOH/g, max</b>   | <b>0.05</b>                          |
| <b>Color</b>   | <b>Clear to light yellow</b>         |
| <b>Water and impurities:</b>   | <b>Max. 0.1%</b>                     |
| <b>Specific Density 20°C:</b>  | <b>1.010 -1.078 g/cm<sup>3</sup></b> |
| <b>Viscosity 20°C:</b>   | <b>710 cSt</b>                       |
| <b>Toxicity:</b>   | <b>None</b>                          |
| <b>Storage Life (20°C):</b>  | <b>Approx. 1 year</b>                |
| <b>Oxirane Content:</b>  |                                      |
| <b>NMR Method:</b>   | <b>11.1</b>                          |
| <b>DOW Method:</b>   | <b>13.1</b>                          |

**For pricing and order information contact us:**

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