



# PHOTOMER<sup>®</sup> 3016-40R

## Epoxy Acrylate

### Product Data Sheet

#### General Information

PHOTOMER<sup>®</sup> 3016-40R is a moderate viscosity, non volatile, acrylic ester derived from a low molecular weight aromatic epoxy resin. The product exhibits very fast cure speed.

#### Chemical Data

**Chemical Name** : Bisphenol A epoxyacrylate & tripropyleneglycol diacrylate  
**CAS No.** : 55818-57-0 & 42978-66-5

Difunctional epoxy acrylate oligomer diluted in 40% PHOTOMER<sup>®</sup> 4061 (TPGDA)

#### Specification

<b>Appearance</b>	<b>Visual</b>	<b>Limpid pale yellow viscous liquid</b>
<b>Viscosity @ 25 °C</b>	<b>Brookfield, ISO 2555</b>	<b>1,500 - 2,500 mPa.s</b>
<b>Colour (Gardner)</b>	<b>ISO 4630</b>	<b>≤ 1</b>
<b>Acid Value</b>	<b>ISO 660</b>	<b>≤ 3 mg KOH/g</b>

#### Application

PHOTOMER<sup>®</sup> 3016-40R is particularly suitable for use in UV/EB curable varnishes for industrial uses, graphic arts, as well as screen printing, flexo and other inks on metal, paper/paperboard, plastic and on wood.

Incorporation of this medium viscosity acrylate oligomer in UV/EB formulations provides high surface hardness, very high gloss finish, excellent scuff and superior solvent resistance characteristics. The final properties obtained will be influenced by the actual reactive monomers and additives utilized.

#### Storage & Handling

PHOTOMER<sup>®</sup> 3016-40R may stratify and crystallize if subjected to cold. Allow to warm up to 50°C until a uniform product is obtained, mix on a drum roller if necessary. Storage should be in a cool, shaded, well ventilated and dry area away from sources of direct heat and sunlight.

Additional handling information is contained within the material safety data sheet which is available upon request.

Subject to appropriate storage under the usual storage and temperature conditions, our products are durable for at least 12 months.

## Regulatory Status

TSCA (USA), EINECS (Europe), IECSC (China), DSL (Canada), PICCS (Philippines), AICS (Australia), NZIoC (New Zealand), ECL (Korea), ENCS (Japan), Taiwan

## Packaging

PHOTOMER® 3016-40R is available in 200 kg lined tight head steel drums.

### Disclaimer

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