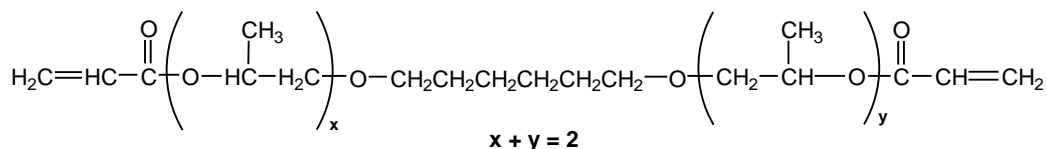


### Product Data Sheet

#### General Information

PHOTOMER<sup>®</sup> 4362 is a propoxylated analogue of 1,6-hexanediol diacrylate (PHOTOMER<sup>®</sup> 4017). It is a very low irritation monomer that exhibits a higher degree of flexibility as compared to standard HDDA. This monomer imparts flexibility to coating formulations used in paper, packaging film, vinyl flooring and wood finishing applications.

#### Chemical Description



#### Specification

<b>Appearance</b>	<b>Visual</b>	<b>Clear water-white liquid</b>
<b>Viscosity @ 25 °C</b>	<b>Brookfield, ISO 2555</b>	<b>10 - 20 mPa·s</b>
<b>Colour (APHA)</b>	<b>ISO 6271</b>	<b>≤ 150</b>
<b>Acid Value</b>		<b>≤ 0.5 mg KOH/g</b>
<b>Moisture content</b>	<b>Karl Fischer, ISO 4317</b>	<b>≤ 0.3 %</b>
<b>Solvent content</b>	<b>GC Analysis</b>	<b>≤ 0.5 %</b>

#### Additional Data

Weight/Gallon @ 25 °C	8.5 lbs
Flash Point	> 200 °F
Inhibitor	300 ppm MEHQ
Draize (Scale: 0 - 8)	< 1
Molecular Weight	342 g/mol
Refractive Index @ 20°C	1.4600
Surface Tension @ 25°C	34.4 dynes/cm

## Application

PHOTOMER® 4362 is compatible with a variety of polyester, epoxy and urethane acrylate oligomers. This monomer imparts flexibility in coatings to relieve post-cure shrinkage stress. PHOTOMER® 4362 improves adhesion due to its flexibility and low shrinkage in applications for the plastic packaging industry on films such as polypropylene and polyester.

### Overprint Coating

PHOTOMER® 6010	60.0
PHOTOMER® 4362	18.5
PHOTOMER® 4035	10.0
Omnirad® 4MBZ Flakes	5.0
PHOTOMER® 4771	4.0
Omnirad® 73	2.0
DC 57 <sup>1</sup>	0.5

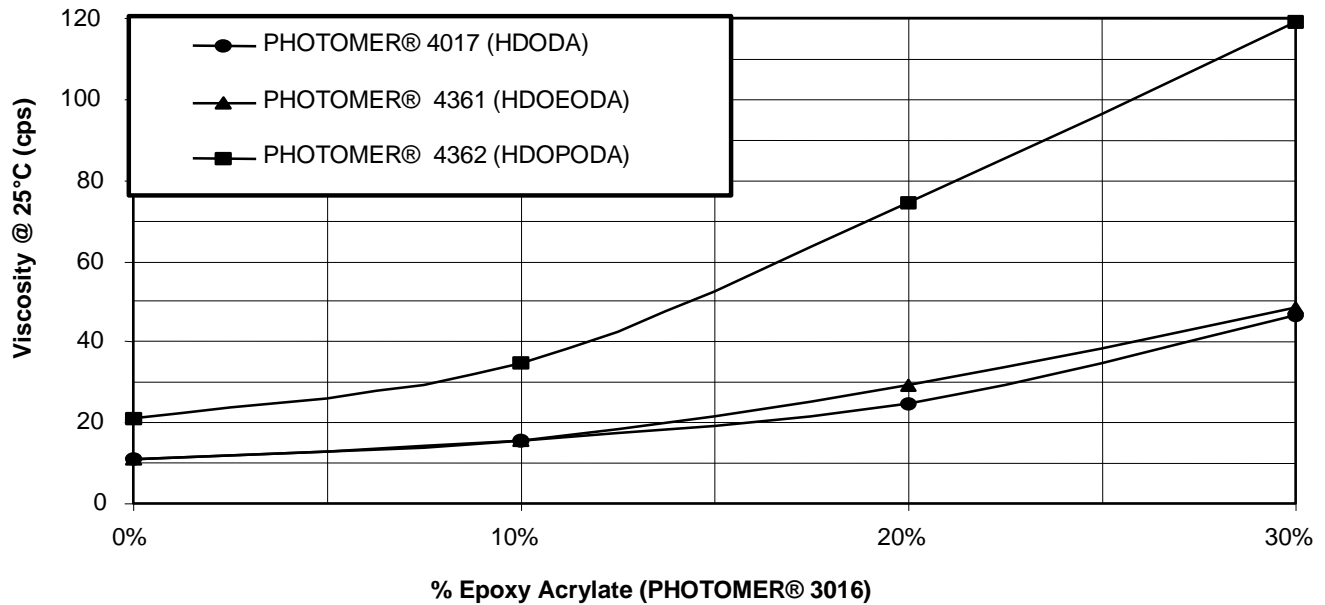
<sup>1</sup> DC 57 - product of Dow Corning

### Properties

Viscosity @ 25 °C, mPa·s	300
Adhesion (#600 Cellotape)	100 %

## Viscosity Reduction Curves

PHOTOMER® 4362 has moderate solvency when compared to HDDA. It also tends to contribute to flexibility in systems based on acrylated oligomers that would otherwise be brittle.



## Storage & Handling

Storage must be in a cool, shaded, well ventilated and dry area away from direct sources of heat and sunlight. PHOTOMER® 4362 may crystallize or stratify if subjected to cold or freezing conditions. Allow to warm to room temperature and mix well before using.

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

PHOTOMER® 4362 should be handled in accordance with good industrial practice. Further information is provided in the material safety data sheet which is available on request.

## Regulatory Status

TSCA (USA), EU (Europe), IECSC (China), NDSL (Canada), NZIoC (New Zealand), TCSI (Taiwan)

## Packaging

PHOTOMER® 4362 is available in 55 gallon (200 liter) lined tighthead steel drums.

### Disclaimer

The information presented in this data sheet is given in good faith and is based on the material available to us at the time of writing. The information is not to be taken as a warranty or representation for which we assume legal responsibility, nor as permission or recommendation to practice any patented invention without a license. It is offered solely for consideration, investigation and verification.