



# PHOTOMER<sup>®</sup> 4250

## Amine Acrylate

### Product Data Sheet

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#### General Information

PHOTOMER<sup>®</sup> 4250 is a 100% active, multifunctional amine acrylate. This product is primarily used in place of free amines. PHOTOMER<sup>®</sup> 4250 offers an excellent way to increase system cure speeds, while minimizing amine migration and ink burn-out.

PHOTOMER<sup>®</sup> 4250 can also increase UV/EB coating compatibility when used over sensitive inks (for example, those containing alkaline sensitive pigments)

#### Specification

<b>Appearance</b>	<b>Visual</b>	<b>Colourless to Pale Yellow Liquid</b>
<b>Viscosity @ 25 °C</b>	<b>Brookfield, ISO 2555</b>	<b>200 – 500 mPa.s</b>
<b>Colour (Gardner)</b>	<b>ISO 4630</b>	<b>≤ 6</b>
<b>Amine Value</b>	<b>Titration</b>	<b>130 – 150 mg KOH/g</b>
<b>Inhibitor content</b>	<b>Spectrophotomer</b>	<b>500 - 1000 ppm</b>

#### Additional Typical Properties

PHOTOMER<sup>®</sup> 4250 does not give strong yellowing and it is a non migrant material.

#### Application

PHOTOMER<sup>®</sup> 4250 is recommended as a co-initiator when faster cure speeds are desired. PHOTOMER<sup>®</sup> 4250 is especially recommended to replace free amines.

Typical concentrations are 4 - 20% by weight, based upon total solids.

Attention should be paid to the level of photo-initiators required upon the use of PHOTOMER<sup>®</sup> 4250 in formulations. PHOTOMER<sup>®</sup> 4250 is typically added in the final thinning stage. Suitable diluents include all functional monomers.

Formulated product properties will depend on the actual reactive monomers, oligomers and additives utilized.

#### Features & Benefits

PHOTOMER<sup>®</sup> 4250 accelerate cure speed. It is multifunctional and it has a hydrophobic characteristics.

## Storage & Handling

Storage must be in a cool, shaded, well ventilated and dry area away from direct sources of heat and sunlight. Subject to appropriate storage under the usual storage and temperature conditions, our products are durable for at least 12 months.

PHOTOMER® 4250 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), NDSL (Canada)

## Packaging

PHOTOMER® 4250 is available in 450 lbs (ca 204 kg) drums.

### Disclaimer

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