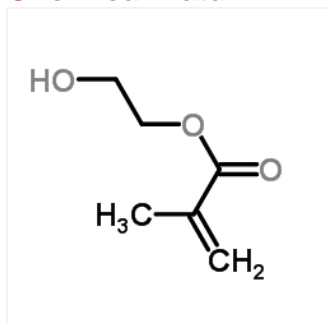


### Product Data Sheet

#### General Information

PHOTOMER<sup>®</sup> 2318 is a Hydroxyethyl Methacrylate (HEMA) which provides important properties to polymer products.

#### Chemical Data



**Chemical Name** : 2-Hydroxyethyl Methacrylate  
**Molecular weight** : 130.14 g/mol  
**CAS No.** : 868-77-9  
**EINECS No.** : 212-782-2

#### Specification

<b>Appearance</b>	<b>Visual</b>	<b>Clear liquid</b>
<b>Colour (APHA)</b>	<b>ISO 6271</b>	<b>≤ 30 APHA</b>
<b>Acid Value</b>	<b>ISO 660</b>	<b>≤ 0.3 mg KOH/g</b>
<b>Moisture content</b>	<b>Karl Fischer, ISO 4317</b>	<b>≤ 0.3 %</b>
<b>Inhibitor content</b>	<b>GC Analysis</b>	<b>≤ 240 ppm MEHQ</b>
<b>HEMA content</b>	<b>GC Analysis</b>	<b>≥ 96 %</b>

#### Application

PHOTOMER<sup>®</sup> 2318 may be used, after adequate testing, in the production of acrylic polyols for Automotive OEM and refinishing coatings and industrial coatings.

It may be used as a co-monomer in styrene based unsaturated polyesters, PMMA based acrylic resins and vinyl ester formulations. It may also be used in the production of emulsion polymers in combination with other commodity methacrylates and acrylates.

PHOTOMER<sup>®</sup> 2318 is also as one of the main components contact lenses.

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

## 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® 2318 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), EINECS (Europe), IECSC (China), DSL (Canada), PICCS (Philippines), AICS (Australia), NZIoC (New Zealand), ECL (Korea), ENCS (Japan), UNSQ (Mexico), Taiwan

## Packaging

PHOTOMER® 2318 is available in 200 kg drums and IBC's

### 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.