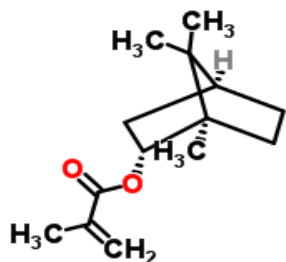


Product Data Sheet

General Information

PHOTOMER[®] 2012 is a very low viscosity monofunctional methacrylated monomer which can be polymerized in the presence of free radicals. It is typically used in UV and EB curable applications.

Chemical Data



| | |
|-------------------------|--------------------------|
| Chemical Name | : Isobornyl methacrylate |
| Molecular weight | : 222.32 g/mol |
| CAS No. | : 7534-94-3 |
| EINECS No. | : 231-403-1 |

Specification

| | | |
|--------------------------|-------------------------------|-----------------------|
| Appearance | Visual | Clear liquid |
| Colour (APHA) | ISO 6271 | ≤ 50 |
| Acid Value | ISO 660 | ≤ 1.0 mg KOH/g |
| Moisture content | Karl Fischer, ISO 4317 | ≤ 0.2 % |
| Inhibitor content | GC Analysis | ≤ 300 ppm |

Additional Typical Properties

| | |
|------------------|------------|
| Ester content | > 98.5 % |
| Viscosity | < 15 mPa.s |
| Tg | 170°C |
| Refractive Index | 1.4750 |

Application

PHOTOMER[®] 2012 may be used, after adequate testing, in UV curable coating, ink and adhesive formulations based on acrylates, for substrates such as wood, metal, glass and plastics. Photopolymers and photoresists may also provide opportunities for use.

Features & Benefits

PHOTOMER® 2012 offers excellent solvency, Low Volume Shrinkage and outstanding adhesion properties particularly on glass on plastics. In addition it has good reactivity, flexibility and excellent abrasion resistance.

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® 2012 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), Taiwan

Packaging

PHOTOMER® 2012 is available in 200Kg steel drum and 20 kg pails.

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.