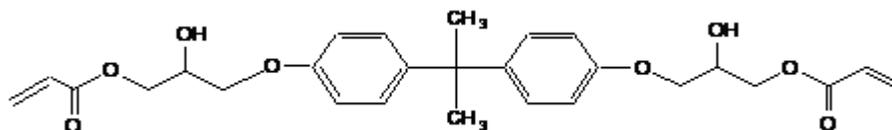


Product Data Sheet

General Information

PHOTOMER[®] 3016 is a high viscosity, non-volatile, di functional acrylate ester derived from a low molecular weight aromatic epoxy resin. The product exhibits fast cure speed, low odour and low skin irritancy. It is an excellent film former and contributes to unique performance properties typical of epoxy resins in UV/EB curable formulations.

Chemical Structure



Chemical Name : Bisphenol A Epoxy Di Acrylate
CAS No. : 55818-57-0
EINECS No. : 500-130-2

Specification

Appearance	Visual	Clear viscous liquid
Viscosity @ 60 °C	Brookfield, ISO 2555	4,000 - 7,000 mPa.s
Colour (Gardner)	ISO 4630	≤ 1
Acid Value	ISO 660	≤ 3 mg KOH/g

Additional Typical Properties

Refractive index @ 20 °C: 1.5575

Application

PHOTOMER[®] 3016 is recommended for use in lithographic, screen printing and metal deco inks, clear coatings for paper, paperboard, wood and rigid plastics, and in varnishes and lacquers.

PHOTOMER[®] 3016 properties underscore its potential utility in coatings, inks and adhesives. Incorporation of this high viscosity acrylate oligomer in UV/EB curable formulations provides high surface hardness, very high gloss finish, excellent scuff and superior solvent resistance characteristics. The final properties will be influenced by the actual reactive monomers and additives utilised.

Storage & Handling

PHOTOMER® 3016 may stratify and crystallize if subjected to cold. Allow to warm 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), NLP (Europe), IECSC (China), DSL (Canada), PICCS (Philippines), AICS (Australia), NZIoC (New Zealand), ECL (Korea), ENCS (Japan), Taiwan

Packaging

PHOTOMER® 3016 is available in 200 kg lined open head steel drums.

Disclaimer

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