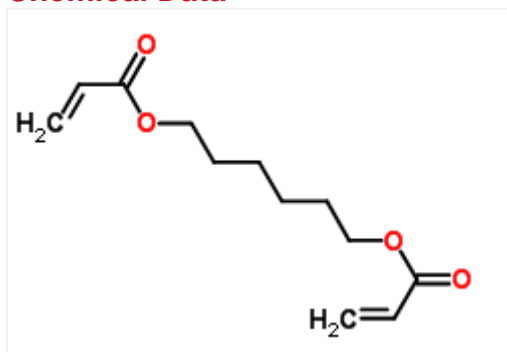


Product Data Sheet

General Information

PHOTOMER[®] 4017 is a low viscosity diluent for UV and EB radiation curable lacquers and pigmented coatings, used in paper and board coatings, wood finishes vinyl flooring and flexible vinyl.

Chemical Data



Chemical Name	: 1,6 Hexanediol diacrylate
Molecular weight	: 226.27 g/mol
CAS No.	: 13048-33-4
EINECS No.	: 235-921-9

Typical Properties

Appearance	Visual	Clean and clear liquid
Viscosity @ 25 °C	Brookfield, ISO 2555	5 - 10 mPa.s
Colour (APHA)		≤ 60
Acid Value		≤ 0.2 mg/KOH/g
Moisture content	Karl Fischer, ISO 4317	≤ 0.2 %
Inhibitor content	GC Analysis	100 - 500 ppm
Solvent content	GC Analysis	≤ 1000 ppm
Specific Gravity @ 25°C		1.010 - 1.030 g/cm³
Refractive index @ 25°C		1.4530 - 1.4570

Application

PHOTOMER[®] 4017 may be used, after adequate testing, in UV curable coating, ink and adhesive formulations based on acrylates, for substrates such as paper, wood, metal, plastics and glass. Photoresists and solder masks may also provide opportunities for use.

Features & Benefits

PHOTOMER® 4017 exhibits a moderate shrinkage profile and is known for its outstanding solvency characteristics with high viscosity urethane and epoxy oligomers. It also offers good flexibility, adhesion, levelling and weatherability coupled with good chemical, water and abrasion resistance.

Storage & Handling

Do not expose to direct sunlight. Stored in a cool, dry area, away from sources of direct heat and sunlight, the product remains stable for at least 12 months. PHOTOMER® 4017 may crystallize or stratify if subjected to cold or freezing conditions. Allow to warm to room temperature and mix well before using.

PHOTOMER® 4017 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), ECL (Korea), ENCS (Japan), NZIoC (New Zealand) and Taiwan

Packaging

PHOTOMER® 4017 is Available in 200 kg Drums and 1000 kg IBCs.

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.