

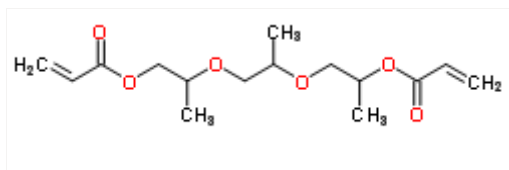
Product Data Sheet

General Information

PHOTOMER[®] 4061 is a difunctional acrylate of low viscosity, low odour and moderate skin irritancy. A reactive monomer with good cure response, it forms films that are flexible, hard and glossy.

PHOTOMER[®] 4061 exhibits good solvency and viscosity reducing characteristics with typical radiation curable oligomers and prepolymers.

Chemical Data



Chemical Name	: Tripropylene glycol diacrylate
Molecular weight	: 300.3 g/mol
CAS No.	: 42978-66-5
EINECS No.	: 256-032-2

Specification

Appearance	Visual	Clean and clear liquid
Viscosity @ 25 °C	Brookfield, ISO 2555	10 - 17 mPa.s
Colour (APHA)		≤ 50
Acid Value		≤ 0.5 mg KOH/g
Moisture content	Karl Fischer, ISO 4317	≤ 0.2 %
Inhibitor content	Spectrophotometer	≤ 400 ppm
Solvent content	GC Analysis	≤ 1000 ppm
Specific Gravity @ 25°C		1.030 - 1.050 g/cm³
Refractive index @ 25°C		1.4475 - 1.4505

Application

As a general, all-purpose reactive diluent, PHOTOMER[®] 4061 finds use in UV/EB topcoats, clear coatings and pigmented systems where low viscosities are required to ensure proper flow out during high speed processing.

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

Features & Benefits

The neat monomer on UV cure generates homopolymers of moderate high tensile strength and reduced shrinkage. Its usefulness in coatings is also reflected by the excellent flexibility, abrasion and scuff resistance developed from this monomer on various substrates.

PHOTOMER® 4061 particularly useful in UV/EB curable overprint varnishes and topcoats for paper, metals and flexible plastic films.

Storage & Handling

Storage must be in a cool shaded, well ventilated and dry area away from direct sources of heat and sunlight. PHOTOMER® 4061 may congeal or stratify if cold. Allow to warm to room temperature and mix well before using. Subject to appropriate storage under the usual storage and temperature conditions, our products are durable for at least 12 months.

PHOTOMER® 4061 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), IECSC (China), DSL (Canada), PICCS (Philippines), AICS (Australia), NZIoC (New Zealand), ECL (Korea), ENCS (Japan), Taiwan.

Packaging

PHOTOMER® 4061 is available in 200kg Drums and IBC's.

Disclaimer

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