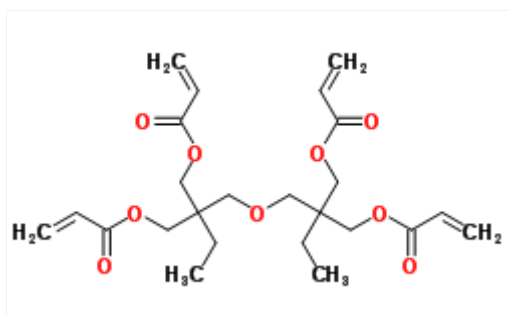


Product Data Sheet

General Information

PHOTOMER® 4306 is a high boiling point monomeric liquid with a relative low viscosity. PHOTOMER® 4306 is a tetra functional monomer which under exposure to ionizing radiation or added sources of free radicals undergoes polymerization.

Chemical Data



Chemical Name	: Di-Trimethylolpropane Tetraacrylate
Molecular weight	: 466 g/mol
CAS No.	: 94108-97-1
EINECS No.	: 302-434-9

Specification

Appearance	Visual	Clean and Clear liquid
Viscosity @ 25 °C	Brookfield, ISO 2555	400 - 700 mPa.s
Colour (APHA)	ISO 6271	≤ 100
Acid Value	ISO 660	≤ 1 mg KOH/g
Moisture content	Karl Fischer, ISO 4317	≤ 0.2 %
Inhibitor content	Spectrophotometer	≤ 600 ppm
Solvent content	GC Analysis	≤ 2000 ppm
Specific Gravity @ 25°C		1.095 – 1.105 g/cm³

Application

PHOTOMER® 4306 may be used, after adequate testing, in UV curable coating, ink and adhesive formulations based on acrylates, for substrates such as metal, optical, paper, wood and plastics. Other suggested uses: electronics for solder masks and inks for flexo, gravure, offset and screen.

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

Features & Benefits

PHOTOMER® 4306 exhibits high reactivity. In addition the material has low volatility and viscosity, good solvency for acrylated oligomers, a high crosslink density and low skin irritation.

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® 4306 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), Taiwan.

Packaging

PHOTOMER® 4306 is available in 200 kg drums.

Disclaimer

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