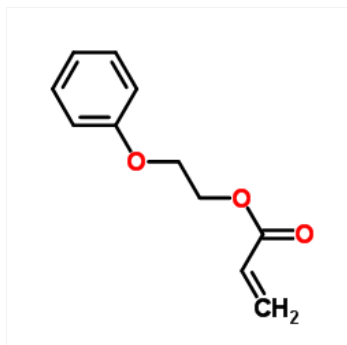


Product Data Sheet

General Information

PHOTOMER[®] 4035 is a monofunctional aromatic acrylate of low viscosity, moderate odour and good cure speed. Due to the monofunctional character of its backbone, it has been found useful as a flexibilizer and as an adhesion promoter. PHOTOMER[®] 4035 is recommended for use in UV/EB curable screen, flexographic inks, clear coatings and lacquers.

Chemical Data



Chemical Name	:2-Phenoxyethyl acrylate
Molecular weight	:192 g/mol
CAS No.	:48145-04-6
EINECS No.	:256-360-6

Specification

Appearance	Visual	Clean and clear liquid
Viscosity @ 25 °C	Brookfield, ISO 2555	5 - 15 mPa.s
Colour (APHA)	ISO 6271	≤ 25
Acid Value	NF EN ISO 660	≤ 0.5 mg KOH/g
Moisture content	Karl Fischer, ISO 4317	≤ 0.1 %
Inhibitor content	Spectrophotometer	200 - 600 ppm
Solvent content	GC Analysis	≤ 2000 ppm
Specific Gravity @ 25°C		1.100 - 1.110 g/cm³
Refractive index @ 25°C		1.5140 - 1.5190

Application

PHOTOMER® 4035 has found application in topcoats for flexible substrates, especially in paper/paperboard and plastics, where low viscosities are essential to impart good adhesion, flow and leveling at high production speeds

Features & Benefits

PHOTOMER® 4035 is an effective diluent with excellent solvency and viscosity reducing characteristics. Epoxy acrylate oligomer concentrations of up to 30 % (w/w) can be incorporated to yield low solution viscosities useful for flexo and roller coating systems.

Storage & Handling

Storage must be in a cool, shaded, well ventilated and dry area away from direct sources of heat and sunlight. PHOTOMER® 4035 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® 4035 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), Taiwan

Packaging

PHOTOMER® 4035 is available in 200 kg steel drums.

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.