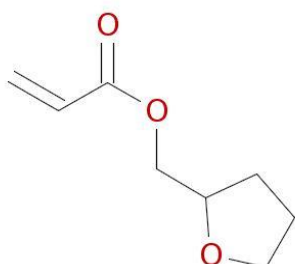


Product Data Sheet

General Information

PHOTOMER® 4142 is a low viscosity mono-functional acrylated monomer which can be polymerised in the presence of free radicals. It is typically used in UV and EB curable applications. Photomer 4142 offers good flexibility and toughness, low Tg and excellent solvency.

Chemical Data



Chemical Name	: Tetrahydrofurfuryl Acrylate
Molecular weight	: 156 g/mol
CAS No.	: 2399-48-6
EC No.	: 219-268-7

Specification

Appearance	Visual	Clean and Clear liquid
Viscosity @ 25 °C	Brookfield, ISO 2555	3 - 12 mPa.s
Colour (APHA)		≤ 80
Acid Value		≤ 0.5 mg KOH/g
Moisture content	Karl Fischer, ISO 4317	≤ 0.2 %
Inhibitor content	Spectrophotometer	400 - 800 ppm
Specific Gravity @ 25°C		1.060 - 1.080 g/cm³
Solvent content	GC Analysis	≤ 2000 ppm

Applications

PHOTOMER® 4142 may be used, after adequate testing, in the following UV curable application areas:

- Coatings and inks for substrates such as paper, wood, metal and plastics.
- Overprint varnishes
- Adhesives
- Electronics
- Photopolymers and photoresists

Features & Benefits

PHOTOMER® 4142 exhibits of excellent adhesion, good flexibility, none yellowing and low shrinkage.

Storage & Handling

Do not expose to direct sunlight. Store product in a dry, well ventilated area at room temperature .Store in the original packaging. If kept unopened in the original sealed packaging and stored correctly the product will have a shelf life of at least 12 months.

PHOTOMER® 4142 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), NDSL (Canada), PICCS (Philippines), AICS (Australia), NZIoC (New Zealand), ECL (Korea), ENCS (Japan), Taiwan.

Packaging

PHOTOMER® 4142 is available in 200Kg drum

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.