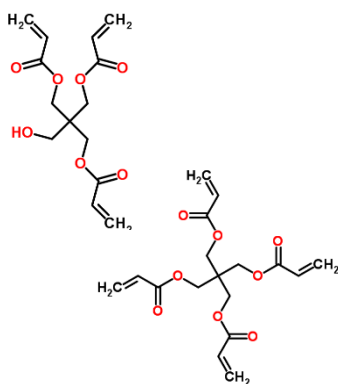


Product Data Sheet

General Information

PHOTOMER® 4335 is a multifunctional monomer which contains a mixture of tri and tetra acrylate. It can be used in a variety of UV curable applications, where a high degree of cross linking is required.

Chemical Data



Chemical Name : Pentaerythritol triacrylate & Pentaerythritol tetraacrylate
Molecular weight : 298.29 g/mol
CAS No. : 1245638-61-2

Specification

| | | |
|--------------------------------|-------------------------------|---------------------------------------|
| Appearance | Visual | Clear liquid |
| Viscosity @ 25 °C | Brookfield, ISO 2555 | 550 -750 mPa.s |
| Colour (APHA) | ISO 6271 | ≤ 100 |
| Acid Value | ISO 660 | ≤ 2 mg KOH/g |
| Moisture content | Karl Fischer, ISO 4317 | ≤ 0.2 % |
| Inhibitor content | Spectrophotometer | 400 – 1100 ppm |
| Specific Gravity @ 25°C | | 1.140 - 1.190 g/cm³ |
| OH value | Titration | 110 - 125 mg KOH/g |

Application

PHOTOMER® 4335 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. An addition level of 5 - 20 % by weight of total formulation is recommended for technical applications.

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

Features & Benefits

PHOTOMER® 4335 exhibits a high degree of crosslinking. It is therefore suited to applications where, fast cure speed, hardness and high gloss properties are required.

Storage & Handling

Do not expose to direct sunlight. Store product at room temperature between 5°C and 25°C. PHOTOMER® 4335 may crystallize or stratify if subjected to cold or freezing conditions. Allow to warm placing the drum in an oven/bath with controlled and homogenous temperature. Hot air/fluid should not exceed 50°C during 24 hours. Mix well before using.

Avoid contact with alkaline additives and water. 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® 4335 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® 4335 is available in 200 kg 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.