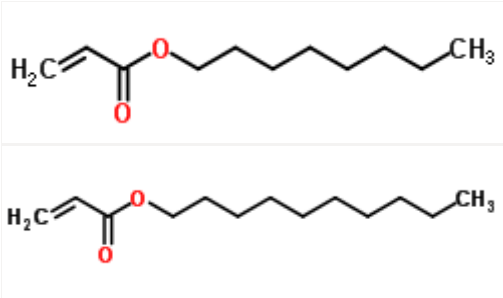
PHOTOMER® 4808
Monomer, Reactive Diluent

Product Data Sheet

General Information

PHOTOMER® 4808 is a low viscosity, monofunctional acrylated monomer/reactive diluent, for use in radical initiated UV radiation cured coatings, inks and adhesives. PHOTOMER® 4808 has a hydrophobic backbone and exhibits good flexibility and excellent adhesion on non-polar substrates.

Chemical Data



Chemical Name	:Octyl acrylate + Decyl acrylate
Molecular weight	:198 g/mol
CAS No.	:2499-59-4, 2156-96-9
EINECS No.	:219-696-4, 218-462-9

Specification

Appearance	**Visual**	**Clear liquid**
Viscosity @ 25 °C	**Brookfield, ISO 2555**	**2 - 10 mPa.s**
Colour (APHA)	**ISO 6271**	**≤ 60**
Acid Value	**ISO 660**	**≤ 0.2 mg/KOH/g³**
Moisture content	**Karl Fischer, ISO 4317**	**≤ 0.2 %**
Inhibitor content		**100 - 600 ppm**
Specific Gravity @ 25°C		**0.860 - 0.890 g/cm**

Application

PHOTOMER® 4808 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. Photoresists and solder masks may also provide opportunities for use.

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Features & Benefits

PHOTOMER® 4808 exhibits good flexibility and reactivity. It has a low viscosity and good solvency for acrylate oligomers. In addition the material shows good adhesion, levelling, and weatherbility, together with good water resistance

Storage & Handling

Do not expose to direct sunlight. Store product at room temperature between 5°C and 40°C.
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® 4808 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), NZIoC (New Zealand), ECL (Korea), ENCS (Japan).

Packaging

PHOTOMER® 4808 is available in 200Kg drums.

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