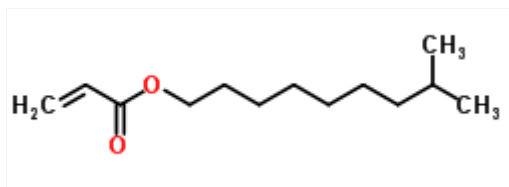


Product Data Sheet

General Information

PHOTOMER[®] 4810 is used as mono functional monomer used as a flexibilizing agent in UV Radcure coatings and inks.

Chemical Data



Chemical Name : Isodecyl acrylate
Molecular weight : 212.33 g/mol
CAS No. : 1330-61-6
EINECS No. : 215-542-5

Specification

Appearance	Visual	Limpid Liquid
Viscosity @ 25 °C	Brookfield, ISO 2555	1 - 10 mPa.s
Colour (APHA)	ISO 6271	≤ 100
Acid Value	ISO 660	≤ 0.2 mg KOH/g
Moisture content	Karl Fischer, ISO 4317	≤ 0.2 %
Inhibitor content		100 - 500 ppm
Solvent content		≤ 2000 ppm

Additional Typical Properties

PHOTOMER[®] 4810 has a surface tension of ca 29 dyne/cm and a Tg of -60°C

Application

PHOTOMER[®] 4810 is used as flexibilizing agent in coatings and inks. It will also increase water resistance properties. The product presents a very low surface tension. Used with matting agents, it improves the matting effect.

Features & Benefits

The low surface tension of PHOTOMER® 4810 makes it especially suitable for use in UV curable coatings and inks for plastic substrates.

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® 4810 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) DSL (Canada), AICS (Australia), NZIoC (New Zealand), ECL (Korea), IECSC (China), PICCS (Philippines) and ECN (Taiwan)

Packaging

PHOTOMER® 4810 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.