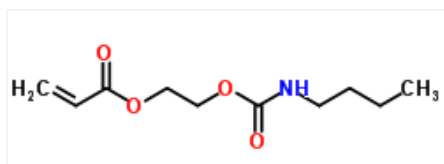


Product Data Sheet

General Information

PHOTOMER[®] 4184 is a monofunctional urethane acrylate which can be used as a reactive diluent for radiation curable coatings, inks and adhesives. It is non-yellowing with a low odour and offers improved flexibility and adhesion to plastics. It exhibits low shrinkage and high elongation and stress at break with a T_g of - 3°C.

Chemical Data



Chemical Name	: 2-[[[(butylamino)carbonyl]oxy]ethyl acrylate
Molecular Weight	: 215.25 g/mol
CAS No.	: 63225-53-6
EINECS No.	: 264-036-0

Specification

Appearance	Visual	Clear yellow liquid
Viscosity @ 25 °C	Brookfield, ISO 2555	20 - 50 mPa.s
Colour (APHA)	ISO 6271	≤ 200
Acid Value	ISO 660	≤ 3 mg KOH/g
Specific Gravity @ 25°C		1.070 g/cm³

Additional Typical Properties

T _g	- 3°C
Shrinkage	9%
Elongation	> 100%

Application

PHOTOMER[®] 4184 may be used, after adequate testing, in applications such as inkjet for its good cutting power and excellent reactivity. PHOTOMER[®] 4184 exhibits excellent elongation and flexibility. At levels of 10% or more improved adhesion may be observed.

PHOTOMER[®] 4184 may also be recommended for other printing applications like Flexo and Screen printing and especially for Shrink sleeve applications.

At high levels PHOTOMER[®] 4184 has a certain tackiness which may be suitable for adhesives and release coatings.

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

Storage & Handling

Storage must be in a cool, shaded, well ventilated and dry area away from direct sources of heat and sunlight. PHOTOMER® 4184 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® 4184 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® 4184 is available in 200 Kg drums and 1000 Kg IBCs.

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.