

SUNCRYL™ HP 114 BIO is a high performance non-silicone acrylic release polymer suitable for film and foil substrates providing the opportunity to convert from solvent-based to water-based release coatings.

For further information regarding this product please refer to:

Adhesive Polymers (Americas)

eMail: [Adhesive-polymers-Americas@synthomer.com](mailto:Adhesive-polymers-Americas@synthomer.com)

Property	Typical Value	Unit	Method <sup>1</sup>
Solids Content	32	%	EN ISO 3251
pH Value	5.0		DIN ISO 976
Viscosity (RVT, S1, 20 rpm, 25°C)	< 100	mPas	ISO 1652
Ionic Character	anionic		
Release Level	easy		

<sup>1</sup> internal method based upon the specified norm

## Application Advice

SUNCRYL™ HP 114 BIO is a high performance non-silicone acrylic release polymer used for release coating of adhesive tapes. It is suitable for film, paper, and foil substrates, providing the opportunity to convert from solvent-based to water-based release coatings.

- Superior water resistance
- Non-silicone release chemistry
- Formulated with no APEs or fluorochemicals
- Excellent release aging properties
- Excellent adhesion and clarity on film
- Environmentally preferred water-based emulsion

SUNCRYL™ HP 114 BIO release coating is supplied at 32% solids with the intention that the customer will dilute to between 10% and 20% solids before application to film or paper. It is good practice to always stir the release coating composition prior to and after diluting. To obtain optimal adhesion to film, surface treatments are recommended. A common application target dry coating level is 0.5-2 g/m. Because the nature of tape and label products are influenced by the selection of adhesive, application techniques and use expectations, the system should be thoroughly tested in actual end-use conditions to ensure that the desired performance is achieved.

## Shipping and Storage

The product must be protected from frost and exposure to direct sunlight. Storage temperatures between +5 °C and +30 °C are recommended. Care must be taken that drums and containers are properly closed. During storage, shipping and handling contact with metal surfaces that are not corrosion protected must be avoided. When stored properly, the product has a shelf life of 6 months from the date of delivery. Mix the contents thoroughly before using.

## Product Safety

Before handling, please read the Safety Data Sheet of this product for advice on safety, use and disposal.