

**Carbopol® Ultrez 21 polymer**

The superior self-wetting rheology modifier with electrolyte tolerance and high clarity

**INCI Name: Acrylates/C10-30 Alkyl Acrylate Crosspolymer**

Carbopol® Ultrez 21 polymer is a white powder, crosslinked copolymer of polyacrylic acid that is polymerized in a toxicologically-preferred cosolvent system. Its self-wetting properties makes it extremely easy to use for efficient processing. It is an extremely efficient rheology modifier capable of providing high viscosity and forms sparkling clear gels or hydro-alcoholic gels and creams. Its short flow, non-drip properties are ideal for applications such as clear gels, hydroalcoholic gels, creams, and lotions.

**APPLICATIONS**

- Hand Soap (Bath & Shower)
- Intimate Cleansers (Bath & Shower)
- Styling Products (Hair Care)
- After Shave (Skin Care)
- Anti-aging Products (Skin Care)
- Antiperspirant/Deodorant (Skin Care)
- Body Lotions/Creams/Gels (Skin Care)
- Eye Area Skin Care Products (Skin Care)
- Facial Care Products (Skin Care)
- Hand Sanitizer (Skin Care)
- Hand/Foot Care (Skin Care)
- Insect Repellent (Skin Care)
- Sun Care (Skin Care)
- Wipes (Skin Care)

**FEATURES AND BENEFITS**

- High viscosity builder and stabilizer
- Moderate creamy skin feel
- Rapid wetting and improved swelling time without need for agitation, reducing processing time and costs
- Short flow rheology characteristics

**PHYSICAL DESCRIPTION AND USE**

- |                                  |                               |
|----------------------------------|-------------------------------|
| • <b>Color/Appearance:</b> White | • <b>Odor:</b> Slight Acrylic |
| • <b>Form:</b> Powder            |                               |

—Lubrizol Advanced Materials, Inc. / 9911 Brecksville Road, Cleveland, Ohio 44141-3247 / TEL: 800.379.5389 or 216.447.5000—

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For further information, please visit: [www.lubrizol.com/personal-care](http://www.lubrizol.com/personal-care)

## SPECIFICATIONS

Product Specification	UOM	Minimum	Maximum	Test Frequency	Test Procedure
ETHYL ACETATE	%		0.45	Each Lot	SA-009
LOSS ON DRYING	%		2	Test One in Ten	SA-004
BROOKFIELD VIS, 0.5% MUCILAGE @ 25 C	cP	45000	65000	Each Lot	SA-051
CLARITY, % TRANSMITTANCE	%	92		Each Lot	485-D
CYCLOHEXANE	%		0.45	Each Lot	SA-009
TOTAL RESIDUAL SOLVENT	%		0.45	Each Lot	SA-009
WETTING TIME (MINUTES)	min		6	Each Lot	SA-051
HM AS (PB,AS,HG,SB) 10 PPM MAX		Pass		Each Lot	SA-012

## MANUFACTURING LOCATION(S), STORAGE AND HANDLING

Manufactured in the following location(s):

- Calvert City, Kentucky (USA)
- Kallo, Oost-Vlaanderen (Belgium)

Packaging:

- Carton

Note that slight difference in volume and weight may occur between geographic regions based on packaging availability

Recommended Retest Period

Recommended retest period is 730 days from the date of manufacture.

Storage and Handling

Store in a dry, well-ventilated place. Keep containers closed when not in use. Consult the Safety Data Sheet (SDS) for additional pertinent information.

## REGULATORY STATUS

Carbopol® Ultrez 21 polymer is widely registered on chemical inventories across the globe. For specific status, please consult the most recent Safety Data Sheet or contact your local Lubrizol representative.

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## TOXICOLOGY/MICROBIOLOGICAL STUDIES

For information regarding toxicology and microbial data, please consult the SDS, contact your local Lubrizol representative or view at [www.lubrizol.com](http://www.lubrizol.com)

## TSE/GMO CERTIFICATE

For a copy of this product's TSE/GMO Certification, please contact your local Lubrizol representative or request a copy through [www.lubrizol.com](http://www.lubrizol.com)

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