

### PERSONAL CARE

### PRODUCT DATA SHEET

# 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, hydroalcholic 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 Repellant (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

Color/Appearance: WhiteForm: Powder

• Odor:

Slight Acrylic

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

The information is provided for informational purposes only. The information herein is believed to be reliable, but no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for a particular application or the results to be obtained from use. Lubrizol Advanced Materials, Inc. ("Lubrizol") cannot guarantee how any products associated with this information will perform in combination with other substances or in your processes as the "user". Often, the information is based on laboratory work with small-scale equipment. Due to variations in methods, conditions, and equipment used commercially in processing materials, the information does not necessarily indicate end product performance or reproducibility or safety in a formulation. As such, no warranties or guarantees are made as to the suitability of the information or products referenced hereunder for any applications disclosed to Lubrizol. Full scale testing and end product performance are the responsibility of the user. Further, any formulations presented should be used only as a suggested starting point. Lubrizol shall not be liable and the user assumes all risk and responsibility for any use or handling of any material beyond Lubrizol's direct control. THE SELLER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDNG, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Nothing contained herein is to be considered as a permission, recommendation, or as an inducement to practice any patented invention without permission of the patent owner.

For further information, please visit: www.lubrizol.com/personal-care-

Carbopol® Ultrez 21 polymer 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	cР	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:

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.

## TOXICOLOGY/MICROBIOLOGICAL STUDIES

For information regarding toxicology and microbial data, please consult the SDS, contact your local Lubrizol representative or view

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

The information is provided for informational purposes only. The information herein is believed to be reliable, but no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for a particular application or the results to be obtained from use. Lubrizol Advanced Materials, Inc. ("Lubrizol") cannot guarantee how any products associated with this information will perform in combination with other substances or in your processes as the "user". Often, the information is based on laboratory work with small-scale equipment. Due to variations in methods, conditions, and equipment used commercially in processing materials, the information does not necessarily indicate end product performance or reproducibility or safety in a formulation. As such, no warranties or guarantees are made as to the suitability of the information or products referenced hereunder for any applications disclosed to Lubrizol. Full scale testing and end product performance are the responsibility of the user. Further, any formulations presented should be used only as a suggested starting point. Lubrizol shall not be liable and the user assumes all risk and responsibility for any use or handling of any material beyond Lubrizol's direct control. THE SELLER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDNG, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILLITY OR FITNESS FOR A PARTICULAR PURPOSE. Nothing contained herein is to be considered as a permission, recommendation, or as an inducement to practice any patented invention without permission of the patent owner.

- For further information, please visit: www.lubrizol.com/personal-care-

Carbopol® Ultrez 21 polymer Personal Care

at 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

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

The information is provided for informational purposes only. The information herein is believed to be reliable, but no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for a particular application or the results to be obtained from use. Lubrizol Advanced Materials, Inc. ("Lubrizol") cannot guarantee how any products associated with this information will perform in combination with other substances or in your processes as the "user". Often, the information is based on laboratory work with small-scale equipment. Due to variations in methods, conditions, and equipment used commercially in processing materials, the information does not necessarily indicate end product performance or reproducibility or safety in a formulation. As such, no warranties or guarantees are made as to the suitability of the information or products referenced hereunder for any applications disclosed to Lubrizol. Full scale testing and end product performance are the responsibility of the user. Further, any formulations presented should be used only as a suggested starting point. Lubrizol shall not be liable and the user assumes all risk and responsibility for any use or handling of any material beyond Lubrizol's direct control. THE SELLER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDNG, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Nothing contained herein is to be considered as a permission, recommendation, or as an inducement to practice any patented invention without permission of the patent owner.

- For further information, please visit: www.lubrizol.com/personal-care-