

# BARTENSID® APG Series

Discover our natural non-ionic surfactants range for a wide variety of applications

 Barcelona



## ► Our value proposition

From the Detergency division in Barcelona, which is part of Grup Barcelona with more than 80 years of expertise, we seek and develop the raw materials for our customers' formulations within the Detergency market. **We work to offer guaranteed solutions to the professional and domestic detergency sectors.**

A clean environment has a positive impact on people wellness and chemistry is the basis for achieving a more efficient and safe cleaning and hygiene processes. This is why we support innovation by offering differentiating solutions for new requirements while being environmentally friendly.

We here introduce our **BARTENSID® APG Series**, that gathers both sustainability and optimal technical properties to achieve natural and competitive formulations.



### Wide range of products

At Barcelona, we offer a wide range of products and solutions for the detergency market ensuring high quality standards.



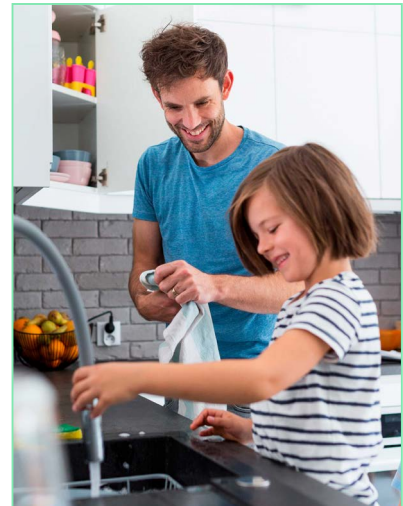
### Customized production

We have all the necessary equipment to offer our customers our MIX-UP service, which allows us to create a custom made formulation for detergency companies.



### Technical advice

In addition to offering you a wide portfolio of raw materials, we want to help you in the development process of your finished products by providing technical support.



## ► BARTENSID® APG Series

BARTENSID® APG Series are a family of non-ionic surfactants that stand out for their favourable environmental and low toxicity profile:

- Readily biodegradable
- Obtained from natural and renewable sources
- Mildness, low irritability and good compatibility with skin

Not only do they stand out for being a sustainable choice, but they also perform excellently in many applications and markets. Their wetting, dispersing and thickening properties as well as their good stability in neutral and high alkaline conditions and great compatibility with many other surfactants make them the ideal choice for detergents and cosmetics formulations. They also tolerate high electrolyte concentrations and provide good solubility.

		APG/06	APG/08	APG/0810 65%	APG/0810 70%	APG/10 50%	APG/0814 50% (1)	APG/0814 50%	APG/124 50%
PRODUCT INFORMATION	Active (%)	Approx. 75	Approx. 60	Approx. 63	Approx. 70	Approx. 50	Approx. 50	Approx. 50	Approx. 50
	Chain Distribution	C/6	C/8	C/8-10	C/8-10	C/8-14	C/8-14	C/8-14	C/12-14
	CAS	75%: 54549-24-5	N.A.	63%: 68515-73-1	70%: 68515-73-1	30%: 68515-73-1 20%: 110615-47-9	25%: 68515-73-1 25%: 110615-47-9	20%: 68515-73-1 30%: 110615-47-9	50%: 110615-47-9
	INCI	Hexyl Glucoside	Isooctyl Glucoside	Caprylyl/Capryl Glucoside	Caprylyl/Capryl Glucoside	Decyl Glucoside	Coco Glucoside	Coco Glucoside	Lauryl Glucoside
TECHNICAL PROPERTIES	Appearance	Amber, transparent aqueous solution	Amber, transparent aqueous solution	Pale yellow, viscous aqueous solution	Brown viscous liquid	Pale yellow aqueous solution	Pale yellow turbid aqueous solution	Pale yellow turbid aqueous solution	Pale yellow, slightly cloudy liquid/paste
	Density (g/cm <sup>3</sup> , 25°C)	Approx. 1.16	Approx. 1.16	Approx. 1.14	Approx. 1.16	Approx. 1.09	Approx. 1.09	Approx. 1.09	Approx. 1.09
	Viscosity (mPa·s)	500 - 2000 (20°C)	100 - 500 (20°C)	500 - 1500 (40°C)	3000 - 6000 (25°C)	1000 - 2000 (20°C)	1000 - 2500 (20°C)	2500 - 6000 (20°C)	2000 - 4000 (40°C)
	pH (20% in 15% IPA/H <sub>2</sub> O)	Approx. 8.0	Approx. 8.0	Approx. 12.0	Approx. 8.0	Approx. 12.0	Approx. 12.0	Approx. 12.0	Approx. 12.0
FUNCTIONALITIES	Wetting	Very Good	Very Good	Good	Good	Good	Good	Good	Good
	Hydrotropy	Very Good	Very Good	Good	Good	Good	Good	Good	Good
	Foaming	Low	Low	Rich & stable	Rich & stable	Rich & stable	Rich & stable	Rich & stable	High
	Thickening					Good	Good	Good	Very Good
	Detergency (soil removal)			Good	Good	Very Good	Very Good	Very Good	Very Good
	Stability to high alkaline media	Very good	Very good	Good	Good	Good	Good	Good	Good
MAIN APPLICATIONS	Home Care and I&I Cleaning	✓ HSC ✓ Bottle Cleaning	✓ HSC ✓ Bottle Cleaning	✓ HSC	✓ HSC	✓ HDD ✓ Others	✓ HDD ✓ Others	✓ HDD ✓ Others	✓ LD (liquid & powder) ✓ HDD ✓ HSC
	Personal Care			✓ Skin & body care ✓ Hair care	✓ Skin & body care ✓ Hair care	✓ Body care ✓ Hair care ✓ Hygiene	✓ Body care ✓ Hair care ✓ Hygiene	✓ Body care ✓ Hair care ✓ Hygiene	✓ Body care ✓ Hair care ✓ Hygiene
	Others	Surface Treatment (Metal anti-corrosion cleaning)	Textile (Wetting agent for mercerizing)	Wide variety of applications	Wide variety of applications	Wide variety of applications	Wide variety of applications	Wide variety of applications	Wide variety of applications

I&I Cleaning: Industrial and Institutional Cleaning    HSC: Hard Surface Cleaners    HDD: Hand Dishwashing Detergents    LD: Laundry Detergents



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