

**Egyptian British Co.**  
Specialty Chemicals & auxiliaries

# Detergents

Product Guide



**Growing Together**



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## About Us

### ● Company Overview:

**Egyptian British Co.** is one of the leading innovative companies in Egypt with global outreach that works on producing chemicals and auxiliaries since 1993 with annual turnover of \$50 Million/Year

### ● Our Market:

EBC has more than 1200 customers and has been the sole supplier of Acrylic Maleic Copolymer for leading detergent companies in MEA for more than 10 years.

### ● Certificates & Awards:

ISO/IEC 17025:2017

ISO 14001:2015

ISO 9001:2015

ISO 45001:2018

EBC implemented Lean & Six Sigma for continuous improvement and reducing its waste and variability.

### ● Quality and R&D:

As a result of many years of efforts in the R&D, EBC was able to establish its own brands "EBC Product" through developing 8 research and technology centres based on the domestic and global market needs. EBC has an ongoing engage with local and foreign research centres for research experience development & improvement.



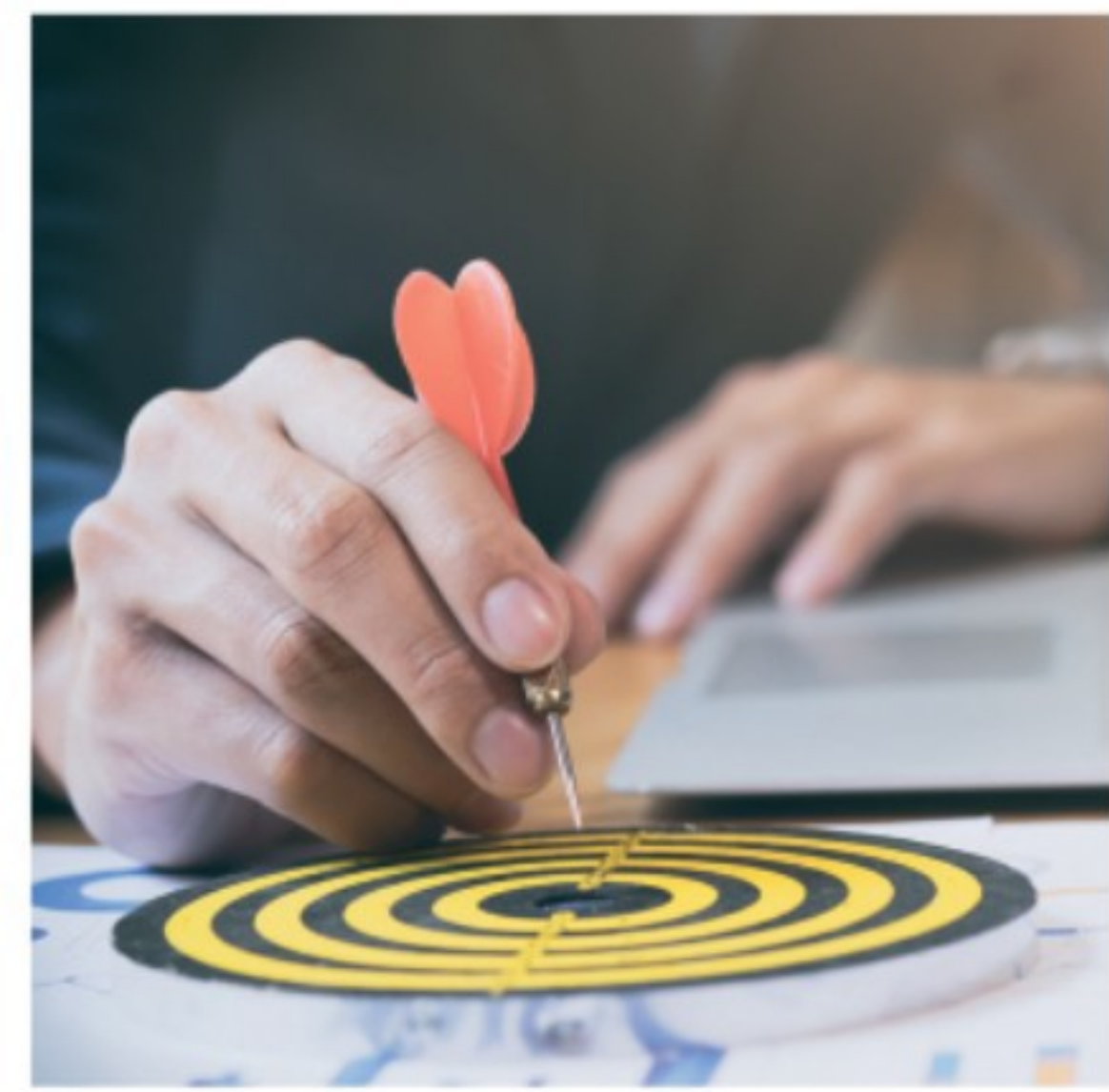
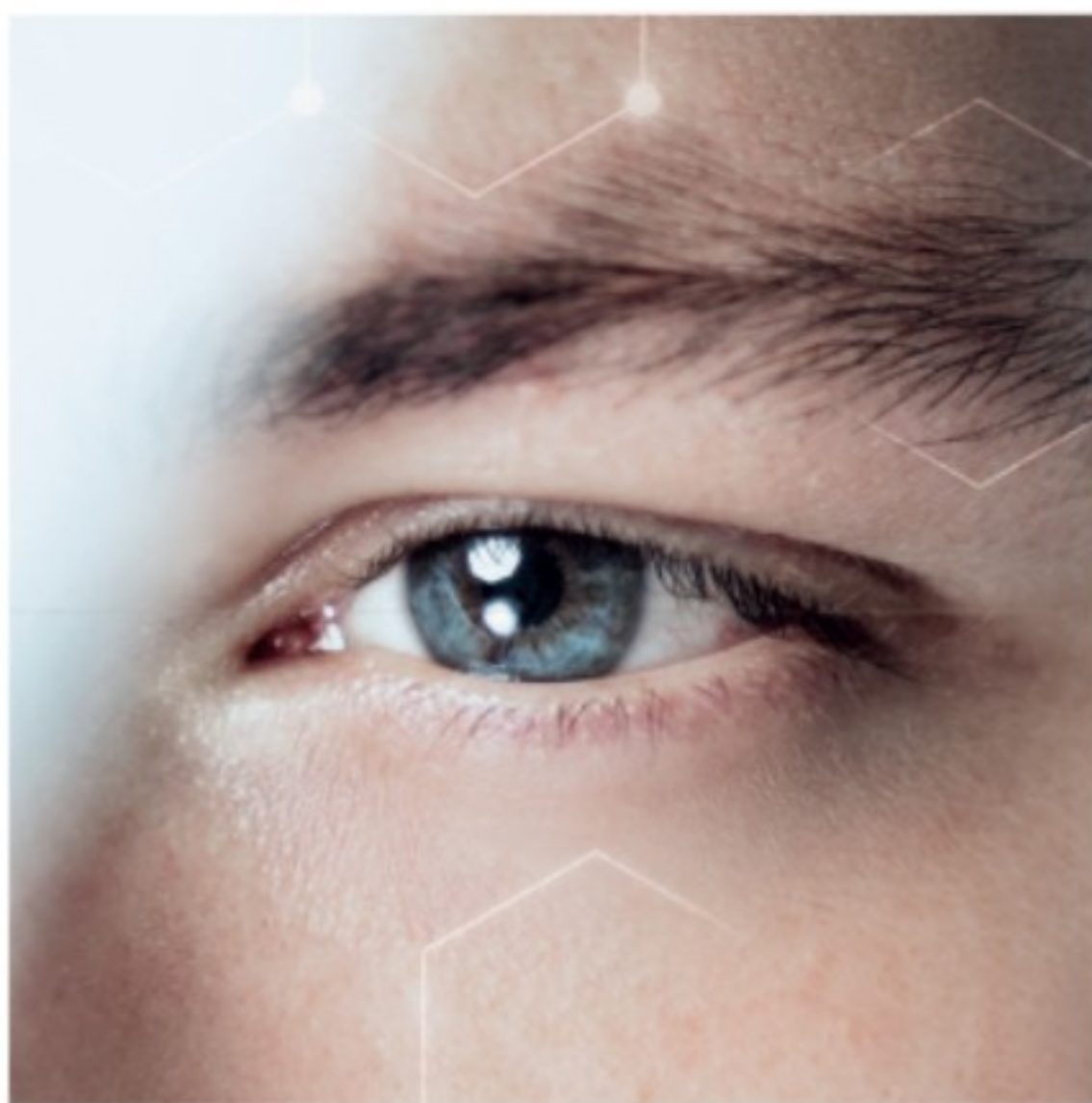
# Word from the Chairman

Our dreams of many years are coming together, with great passion and an opportunity seized is how **Egyptian British Co.** was born. Our aim at building the corporate was to create an entity independent in all aspects of engineering with setting the concept of chemicals-hub as our over-arching business strategy and we are taking this concept even further. We intend to broaden engagement with our customers, allowing us more insights into what customers need and want.

We have built our divisions in order to create the perfect utilization of our available resources and eliminate obstacles, which in turn saves great deals of time in the servicing sector.

We have been developing our divisions with immense speed and take great interest in the interests of our customers and understanding their problems.

We have designed **Egyptian British Co.** to be customer oriented from the beginning. We are developing ourselves in order to be the one stop solution to every aspect of the chemicals-based industries. We have noticed major changes in our infrastructure, division expansions and an increase in employee numbers. These changes prove a positive motion which we continue to practice and achieve.



## Vision

To be the main player in Egypt & MEA region and one of the important players worldwide in Chemicals & Auxiliaries through optimizing our values provided to all stakeholders.

## Mission

A world-class chemicals & auxiliaries leader with competent empowered and involved employees.

We will not be only product and service provider but also value producer by respecting our environment, taking the responsibility toward our society adapting to the latest technology and innovation approach .

## Values

### Stakeholders Engagement

EBC is committed to its stakeholders to build a long-term partnership based on the concept "Their success is the key of our existing".

### Credibility

It is the quality of being trusted and believed in, as we act in an ethical way promoting an open and transparent communication.

### Diversity

Our strength is in diversity and the wealth of various perspectives, experiences, cultures and beliefs.

### Teamwork

We empower our people & commitment to education as we are expected to participate fully in relevant, challenging training. We consider our experts & well educated team that they are the main pillars for our surviving.



# Dispersing Agents

**EBCALAN** is designed to provide selected benefits in household and industrial cleaning formulations. The monomers ratios and molecular weight of EBCALAN are selected to deliver optimum performance in both laundry and dish wash applications.

## Features & Benefits:

Liquid	-Easy to use -No preparation necessary (warming, declumping, dissolving..)
Processing Ease	Allows for use of continuous production processes with use of in-line static mixers
Appearance	Viscous liquid, clear yellowish
Cost Benefit	Effective at very low use levels
Low Residual	Fewer odor concerns



# Dispersing Agents

## Product Specifications

Product	Chemical Nature	Appearance	Solid Content	Viscosity	Density	pH Value	Characteristics
EBCA LAN 2000	Sodium Salt of Acrylic/Maleic Acid Co-polymer	Clear Yellowish Viscous Liquid	40.0±2.0 %	750.0±250.0 mPas	1.265 - 1.27 g/cm <sup>3</sup>	7 - 9	Acts as anti-redposition and crystal distortion.
EBCA LAN 2500	Sodium Salt of Acrylic Acid Homo-Polymer	Colorless / Pale Yellow Viscous Liquid	(45 + 1) %	≤ 1500 mPas	1.3-1.35 g/cm <sup>3</sup>	7 - 9	Acts as anti-redposition and crystal distortion.

Note: Any required changes in the Technical details is applicable.

EBCA LAN 2000 and EBCA LAN 2500 are derived from water-based solution polymerization.

## Applications:

- General purpose formulations
- Water treatment
- Liquid laundry detergents
- Dishwashing detergents
- Cleaners



# Opacifying Agents

EBCA OP SA 40 is an opacifying agent for use in liquid detergent products, EBCA OP SA 40 imparts a milky, lotionized appearance to a wide variety of household liquid products.



## Product Specifications

Product	Chemical Nature	Appearance	Solid Content	Viscosity	Density	pH Value	Characteristics
EBCA OP SA 40	Styrene Acrylate Co-polymer	Milky Emulsion	40 ± 1	<50 mPas (Brookfield @23 °C)	1.03 g/cm <sup>3</sup>	1.5 - 2.5	Used to impart a "milky" appearance to a liquid detergent product.

Note: Any required changes in the Technical details is applicable.

## Applications:

- Liquid laundry detergents
- Two-in-one liquid detergents
- Household cleaners
- Dishwashing liquids
- General purpose formulations



# Thickening Agents

**EBCA THICK 3020** and **EBCA THICK 3026** are a Hydrophobically modified Alkali Soluble acrylic polymer Emulsion (HASE) with unusually high aqueous thickening and stabilizing efficiency.



## Product Specifications

Product	Chemical Nature	Appearance	Solid Content	Viscosity	Density	pH Value	Characteristics
EBCA THICK 3020	Acrylic thickener	Milky emulsion	(30 + 0.5) %	<40 mPas	1.02-1.04 g/cm <sup>3</sup>	1.5 - 3	-Incorporated as medium to high thickener in alkaline cleaner formulation. -Associates with other formulation components giving enhanced viscosity and stability (Shower gel, Handwash).
EBCA THICK 3026	Acrylic thickener	Milky emulsion	(30 + 1) %	<50 mPas	1.02-1.04 g/cm <sup>3</sup>	1.5 - 3	-Incorporated as low to medium thickener in alkaline cleaner formulation. -Associates with other formulation components giving enhanced viscosity and stability.

Note: Any required changes in the Technical details is applicable.

### Applications:

- Highly built detergent liquids
- Liquid abrasive cleaners
- Highly alkaline oven cleaners and paint strippers
- All-purpose cleaners
- Moderate viscosity liquid detergents
- Automatic dishwashing liquids
- Hard surface cleaners



# Softening Agents

EBCA SOFT QA 50 is a cationic softening and processing aid for natural and synthetic fibres.



## Product Specifications

Product	Chemical Nature	Appearance	Active Matter	ISO Propanol Content	Average Molecular Weight	pH Value	Characteristics
EBCA SOFT QA 50	Quaternary Ammonium compounds	Paste	50%	10%	550 g/mo	6-8	It has a good softening effect on polyester, cotton and their blends.

Note: Any required changes in the Technical details is applicable.



# Foaming Agent

**EBCASLS** is Sodium Lauryl Sulfate (SLS) in Needles form, also known as Sodium Dodecyl Sulfate, is a synthetic organic compound found in many types of personal care and cleaning products.



## Product Specifications

Product	Chemical Nature	Appearance	Odor	pH Value	Moisture Content	Characteristics
EBCA SLS Needles	Sodium Lauryl Sulfate/ Sodium Dodecyl Sulfate	White to Slight Yellow free flow Needles	Characteristic	07:10.5	4.5 % Max.	-Acts as a surfactant in liquid soap and detergents due to its ability of reducing the surface tension of the liquid.

Note: Any required changes in the Technical details is applicable.

## Applications:

- Personal care products
- Soaps and detergents
- Nutraceuticals
- Rubber



# Defoaming Agent

**EBCA BURST 200** is a highly efficient silicone defoamer used in laundry detergent for automatic washing machine.



## Product Specifications

Product	Chemical Nature	Appearance	Density	pH Value	Characteristics
EBCA BURST 200	Polydimethyl Siloxan (Silicon Defoamer)	Opaque White Liquid	1.06g/cm <sup>3</sup>	5-7	-It can be diluted with water. -It is compatible with cationic, anionic and other detergent ingredients.

Note: Any required changes in the Technical details is applicable.

## Applications:

- Low foam detergent formulations
- Coating & construction
- Water treatment
- Textile



# Sequestering Agent

EBCA QUEST 350 is an organophosphonate with multifunctional properties like sequestration, deflocculation, threshold inhibition and hydrolytic stability, as a single active ingredient.



## Product Specifications

Product	Chemical Nature	Appearance	Density	pH Value	Moisture Content	Characteristics
EBCA QUEST 350	Organophosphonate	Colorless to Pale yellow Liquid	98 g/cm <sup>3</sup> - 1.32 (at 20 °C)	14 (at 5% solution)	30.0±1.0 %	-Used as a strong chelating agent for metal ions like Ca, Mg & Fe builder. -Shows efficiency in protecting metal corrosion and shows strong chlorine stability. -Shows efficient inhibition for CaCO <sub>3</sub> & CaSO <sub>4</sub> alone or in combination with low molecular weight polymers.

Note: Any required changes in the Technical details is applicable.

## Applications:

- Synthetic detergent
- Water treatment
- Textile



# Detergent Speckles

EBCA SCT Granules is widely used in detergent as dry adds in white and color base to cover a wide ranges of cost efficient speckles.



## Product Specifications

Product	Chemical Nature	Appearance	Odor	Moisture Content	Density	Particle Size	Characteristics
EBCA SCT Granules	Sodium Sulfate / Sodium Chloride mix with Tri-Silicate	White granules & Colored Granules (Red, Blue, Green, Pink...etc.)	Odorless	< 3%	1:1.2 LSL:USL	Over 2000 um, 1% Max and through 150 um, 5% Max.	-Used to increase the cleaning and the visual effect. - Available in many colours (Red, Blue, Green, Pink) and can be produced in any colour upon request.

Note: Any required changes in the Technical details is applicable.





# Preservatives

**EBCA ULTRACIDE CF4** is a preservative offering a broad spectrum of activity against bacteria, yeast and fungi.



## Product Specifications

Product	Chemical Nature	Appearance	Solubility	Density	pH Value	Characteristics
EBCA ULTRACIDE CF4	Modified Quaternary Ammonium Compounds	Colorless to Pale Yellow	Soluble in water in all proportions	98 g/ml	6.5 – 8.5	It is added to products to increase their shelf-life by preventing microbial decomposition.

Note: Any required changes in the Technical details is applicable.

## Applications:

- Washing powder and liquid
- Toothpaste and mouth wash
- Fabric, plastics, and household cleaning products
- Health care products
- Water treatment



# Manufacturing

EBC is operating through 5 manufacturing facilities; occupied with latest automated reactors in different fields, lines & capacities, overall manufacturing capability of 200,000 MT/Year; In addition to the Tank Farm at Adabeya Port in Suez Government, which contains 9 raw material tanks of total capacity 7,500 MT.





# Lab instruments applications

01

**GC Mass**

Identifies chemical composition of polymer and raw materials (qualitative and quantitative) in solvents and oil and polymer applications



02

**FTIR**

Identifies chemical composition of polymer and raw materials (qualitative and quantitative)



03

**DSC**

Determines Tg of polymers.



04

**GPC/HPLC**

Determines average molecular weight (AWM) and molecular weight distribution (MWD) and free monomer



05

**Particle Size Analyzer**

Determines the average particle size of powders and liquids







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