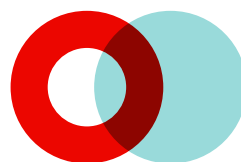


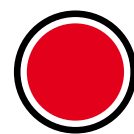


# WASTEWATER TREATMENT



**color  
center**

Developing chemistry  
for the future



**COLOR CENTER**  
Colorantes y Productos Químicos  
Dyes & Chemical Products



## COLOR CENTER, OUR COMPANY

Was founded in 1978. From the beginning, it has been consecrated to the design, production and marketing of dyestuffs and auxiliary products for the textile industry.

According to its wide experience and always looking ahead, the main objective of **Color-Center, S.A.** is to guarantee a complete and a tailor-made service to its customers. Thanks to this policy, our products are acquired by an increasing number of customers from all around the world. We offer specific solutions adapted to our customers requirements and we are proud to offer the highest quality services to a large number of customers.



## RESEARCH, DEVELOPMENT, INNOVATION

Color Center, S.A. is a research & innovation driven chemical company, strategically focused on textile chemistry market. Our mission is to provide high value-added solutions to the technological challenges posed by our clients in a dynamic and constantly changing environment.

We have a wide experience in the textile sector with highly qualified staff and modern laboratories for synthesis, chemical characterization, application and quality control. We are aware of the competitive advantage that means incorporating the external talent and “ideas” to our innovation process. For that reason we work under a collaborative and highly flexible model based on the “Open Innovation”. We work closely with Customers, Suppliers, Experts and Technological Centers to offer our customers the best service and remain at the forefront of the sector.

We work systematically in the development, acquisition and design of new materials and Nano-materials that allow us to offer more sustainable products with an improved toxicological profile, while maintaining the most demanding level of performance and quality required by the current market.

## DISTRIBUTION, PRODUCTION AND WAREHOUSES

Our products are distributed worldwide in the best conditions and with the highest punctuality from our factories and warehouses located in the most strategic areas. Our warehouses are equipped with the latest logistic systems, which allow us to manage the goods efficiently and to deliver them within the best deadlines.

Furthermore, our experience in the field of import / export permits us to be present anywhere in the world. CENTER QUIMICA S.A.C. is the operational base of the Group Color Center in the area of South America.



# WASTEWATER TREATMENT

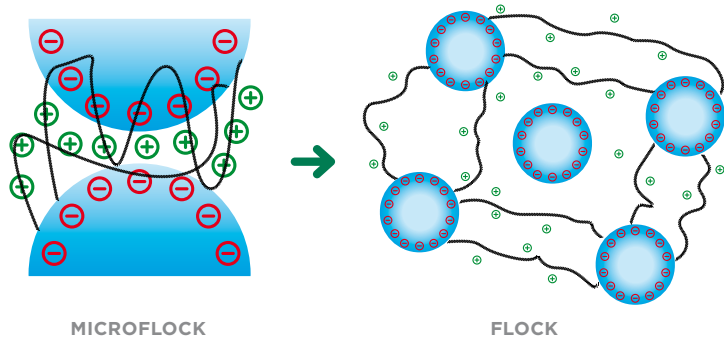
COMPLETE SOLUTIONS FOR WATER TREATMENT



The discharge of untreated wastewater produces negative environmental impacts in receiving watercourses, depending on the concentration of pollutants containing these waters.

**Color Center** offers a full range of Chemicals for Water Treatment, such as coagulants, flocculants (solid and emulsion polyelectrolytes), defoamers, odour suppressants, biological solutions, nutrients, ...

Coagulants destabilize a colloidal suspension. They can be defined like products with a high charge density which stick on the surface of the colloidal particles by neutralizing its charge, preventing repulsion between them and therefore, ensuring aggregation. Coagulants are usually metal salts or low molecular weight polymers.



The flocculants are high molecular weight polymers that are capable of trapping various colloidal particles in its polymer chain.

## FLOCCULANTS AND COAGULANTS

CENTERFLOC		IONIC CHARACTER	MOLECULAR WEIGHT	VISCOSITY (25°C cPs)	CONCENTRATION (%)
TA	Decolourizing agent/coagulant.	cationic	low	< 1000	50
MGC	Decolourizing agent/coagulant.	cationic	low	< 1000	40
PA -30 PA -5010 PA -5009	Polyamine based coagulant.	cationic	high (standard) medium very high	< 1000	50
MAC -5016 MAC -5015 MAC -5013 MAC -5014	Polyamine based coagulant.	cationic	very high (standard) medium very high ultra high	8000-12000 500-1000 12000-15000 > 15000	40
C GRANOS	Polyacrylamide, flocculant, granulated.	anionic	very high	N.A.	90 min.
F-ANG	Reverse emulsion flocculant.	cationic	ultra high	500-2000	50

## DEFOAMERS

		pH	VISCOSITY (25°C cPs)	CONCENTRATION (%)
COMPLEX EV	Antifoam based on vegetable esters, highly biodegradable.	7-9	ca. 1800	24
COMPLEX 1646	Silicone-based defoamer, highly effective.	6-8	ca. 1000	16
ANTIESPUMANTE SAE	Mineral oil and organic waxes based defoamer.	5-8*	ca. 500	100

(\*): 10% in water solution.

## BIOLOGICAL AND NUTRIENT SOLUTIONS

		pH	ACTIVITY
CENTERFOOD XL	Biological nutrient.	7	C.O.D. (mg O <sub>2</sub> /g) 500-600
CENTER MICRO LF	Lyophilized non-pathogenic bacterial spores.	N.A.	n. col./g: 1x10 <sup>9</sup>

## SPECIALTIES

		pH
CENTERFLOC F-RUM	Wastewater deodorizing.	11-12 <sup>(1)</sup>
AMPLEX BO-85	Lyophilized non-pathogenic bacterial spores.	11-12 <sup>(2)</sup>
AMPLEX DEOX	Dissolved oxygen scavenger for boilers.	5-6 <sup>(3)</sup>
AMPLEX RO-723	Antifouling for reverse osmosis membranes.	2-3 <sup>(3)</sup>

(1): pH 10% · (2): pH 1% · (3): pH 100%



# **COLOR CENTER**

**TECHNICAL DEPARTMENT  
R&D**





OFFICIAL DISTRIBUTORS  
FOR SPAIN AND PERU



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