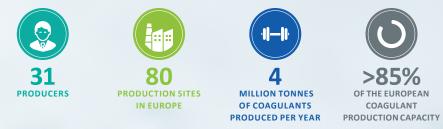


incopa

INCOPA is the European inorganic coagulants producers association. INCOPA's members manufacture inorganic coagulants (aluminium and iron salts), which are essential elements for water treatment, paper manufacturing, fertilizer production and other industries.



INCOPA members apply chemistry at its best, contributing to the circular economy and enabling safe and affordable water for all.

OUR INDUSTRY CREATES VALUES

CIRCULARITY Our products, as well as their applications, contribute to the Circular Economy: thanks to the use of inorganic coagulants I/3 of the phosphorus used in Europe could be recycled.

COST EFFICIENCY

Chemical water treatment is the most cost efficient and state of the art technology. Coagulant use represents only 0.5% of the total cost of water purification (0.5€ on 100€, per person per year).

RELIABILITY

Inorganic coagulants are pivotal for safe drinking water and efficient wastewater purification. They are produced in Europe, thus ensuring a reliable local supply.

RESOURCE **EFFICIENCY**

_C⁄

Chemical water treatment is the most energy efficient water treatment technology and has a low carbon footprint.

Coagulants are essential for **protecting**

incopa

SAFETY

human health and improving environmental performance. INCOPA members are committed to the highest product quality and environmental standards in Europe.

OUR KEY NUMBERS

HOW COAGULANTS ARE MADE



The industry contributes I billion EUR to the European economy.

OF THE GLOBAL **POPULATION** In 2015, 71% of the global We estimate **around** population (5.2 billion

4 billion people have people) used a safely access to drinking water managed drinking water treated with coagulants. service.*

billion PFOPI F



70% of our raw materials are high quality by-products from other industries.



Inorganic coagulants support the separation of dissolved and particulate impurities from the water.

The raw materials are based on abundant natural resources (aluminium and iron) and high-quality by-products.

APPLICATIONS



wastewater.

Coagulants are widely used In the paper industry to purify drinking water they are used in the sizing and clean municipal and retention parts of the papermaking process.

Coagulants also have an important role in the treatment of industrial water.



There are also many other applications where aluminium and iron salts play an essential role.

HOW THEY WORK



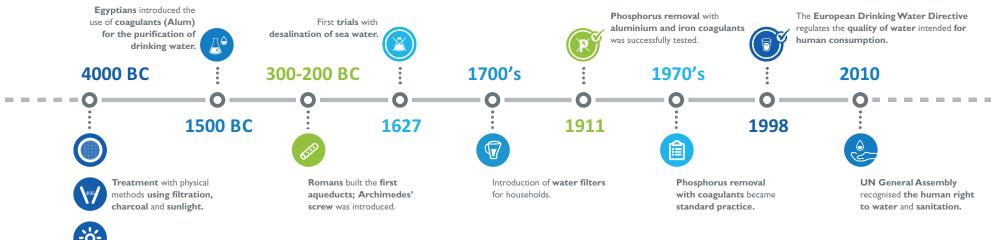
COAGULATION Coagulants which are positively charged metal salts (Me+) react with the negatively charged colloids in the

water to form bigger flocs.

FLOCCULATION Then the particles form larger, heavier flocs (flocculate).

SEPARATION

Like larger particles, the flocs can be separated from the water using methods such as sedimentation. floatation or filtration.



HISTORY OF WATER TREATMENT