



**SOLVAY**

asking more from chemistry®



**bicar<sup>®</sup>pharma**

**iPh** SODIUM  
CARBONATE

Our essential ingredients  
for the global pharmaceutical  
and cosmetic industry

# As market leader, Solvay is offering **pharmaceutical ingredients** meeting high quality standards

We can provide you with the right grade of sodium bicarbonate and anhydrous sodium carbonate for a large range of applications. Furthermore, we are able to provide a strong support to meet specifications and regulatory requirements of the market.



**iPh** SODIUM CARBONATE

**A superior grade  
of anhydrous sodium carbonate**

- In pharmaceutical application as API (Active Pharmaceuticals Ingredient)
- As excipient with dessicant properties in effervescent tablets
- As high substance with pH-buffering properties in cosmetic

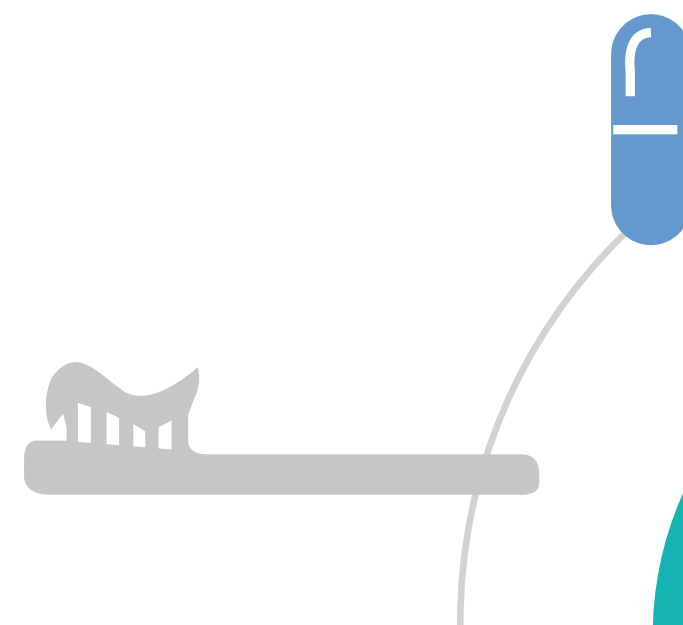


**A global player offering  
a high level of services  
based on Excellence**

- Top and consistent quality with a very high purity profile
- Reliability and product availability thanks to a worldwide presence
- Different granulometries to meet customer needs
- Best support in documentation to meet and anticipate future global quality standards (CEP available)
- Building up and exceeding certification standards GMP ICH Q7 and GMP IPEC-PQG

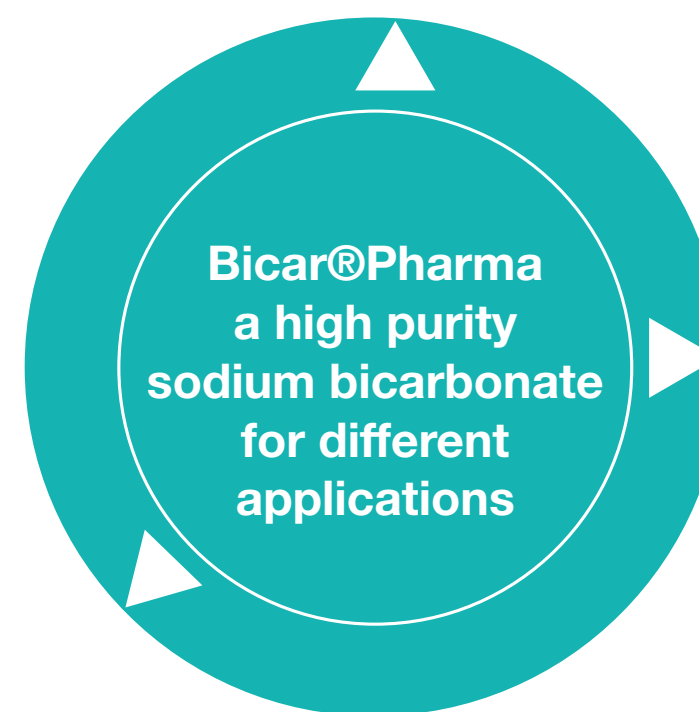
**bicarpharma**  
API

- In pharmaceutical applications as an API (Active Pharmaceutical Ingredient)



**bicarpharma**  
HEMODIALYSIS

- In hemodialysis to provide electrolytes and stabilize the pH



**bicarpharma**  
EXCIPIENT

- As an excipient in effervescent tablets
- As high purity, mineral-based non-irritating substance in cosmetics





## Solvay, a reliable bicarbonate and derivatives supplier

With its industrial network in Europe, USA and Thailand, its dedicated research and innovation center and strong worldwide supply chain, Solvay is a reliable partner supporting the development of the food industry.



### 6 plants in EU:

Devnya, Bulgaria  
Dombasle, France  
Rheinberg and  
Bernburg, Germany  
Rosignano, Italy  
Torrelavega, Spain

### 2 plants in US

Parachute, Colorado  
Green River, Wyoming

### 1 plant in Asia

Map Ta Phut, Thailand

**1 Research and  
innovation center**  
Dombasle, France



### SOLVAY SODA ASH & DERIVATIVES

25 rue de Clichy  
75009 PARIS  
Tél. : + 33 (0)1 40 75 80 00  
Fax : + 33 (0)1 45 63 57 28

#### Contacts

##### EUROPE

Ann Thomas  
ann.thomas@solvay.com

##### LATAM

Virginie Eyll  
virginie.eyll@solvay.com

##### US

Benoit Verdickt  
benoit.verdickt@solvay.com

##### ASIA

Alex Santanna  
alex.santanna@solvay.com

[www.solvay.com](http://www.solvay.com)

Solvay Soda Ash and Derivatives (SA&D) is a world leader in its sector, producing soda ash serving the glass, detergent and chemical markets and developing solutions based on sodium bicarbonate and trona serving the healthcare, food, animal feed, and flue gas cleaning markets. SA&D has 11 industrial sites worldwide, more than 3,700 employees and serves 90 countries.

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