



*A fresh look
at glass markets*

SOLVAY
Chemicals





Overview

Solvay Chemicals effectively meets the needs of glass manufacturers with versatile products used in the production of flat glass for windows, doors and windshields, and in the production of containers, insulation, and CRT and LCD computer monitors and television screens.

Backed by more than 140 years of expertise, we are helping to build and maintain a cleaner, healthier world. Regarding specific application, please go to www.solvaychemicals.us for more information.

Barium and strontium carbonates

Barium and strontium carbonates are used in the production of radiation absorbent glass for television and computer display screens. The combined use of both compounds can achieve comprehensive radiation protection.

Barium and strontium carbonates also enhance the properties of many different types of glass products, including increased strength and scratch resistance, enhanced optical properties, and improved finishing properties.

In the production of certain grades of glazes and enamels, barium and strontium carbonates are used in combination with other materials. These glazing frits are remarkable in their excellent resistance to weathering and corrosion.

Inorganic fluorides

Inorganic fluorides are used to etch and frost glass for decorative and industrial applications, such as in mugs, household appliances, light bulbs, and white milk glass.

Soda ash

Glass manufacturing is the largest application for soda ash. It is used in the production of containers, fiberglass insulation, flat glass for the housing, commercial building and automotive industries, and for a host of other glass products such as light bulbs, tableware and decorative glass blocks. These various glass products account for nearly half of all soda ash consumed in the United States. Soda ash serves as a fluxing agent facilitating the melting of sand. Its presence allows sand to melt at lower temperatures saving precious energy, and prolonging furnace life.



Global Resources

As part of the Solvay Group of companies, we are a member of an international chemical and pharmaceutical group which employs more than 30,000 people in 50 countries. The Solvay Group is the world's leading producer of hydrogen peroxide, soda ash, sodium percarbonate and barium and strontium products.

North American Sites

Solvay Chemicals and its affiliates ship product from seven North American plant sites and a number of strategically located distribution terminals. Our hydrogen peroxide and sodium percarbonate plants are located in Deer Park, Texas and Longview, Washington. Green River, Wyoming is home to our soda ash and sulfite production facility and our trona facilities. Organic and inorganic fluorides are produced at Catoosa, Oklahoma and Alorton, Illinois, and our sodium bicarbonate is produced in Parachute, Colorado. Solvay Fluor in Ciudad Juarez, Mexico, manufactures ammonium bifluoride and anhydrous hydrofluoric acid. We also offer the North American market many imported products from our plants around the world.

The Responsible Care® Initiative

We are committed to sustainable development through the Responsible Care® initiative, a policy adhered to by all Solvay companies, in every country in which Solvay has a presence. The Responsible Care® initiative underscores our focus on continuous improvement in the health, safety and environment of our planet.



Solvay Chemicals, Inc.

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www.solvaychemicals.us

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