



Industria del Álcali, S.A. de C.V.

Welcome!

Industria del Alkali, S. A. de C. V. is a subsidiary of Vitro, SAB de C.V., a Mexican Corporation.



Industria del Alkali opened its doors in 1942.



Vitro's History

We are backed by over 100 years of experience...



1909

Vidriera Monterrey, the first Glass Containers plant, starts operations in Monterrey, Nuevo León.

1929

The first Flat Glass Factory is inaugurated, in Nuevo León.

1935

The Company starts exporting products to other Latin American countries.

1942

It is created what today is known as Industria del Alkali to produce raw materials.

1943

Fabricación de Máquinas, S.A., starts its operations in order to develop in house industrial technology.

1968

The first line of float glass starts in Vidrio Plano de Mexico, S.A.

1974

Vitro is listed in the Mexican Stock Exchange.

1981

Vidrio Plano, S.A. de C.v. installs a float glass plant in García, Nuevo León.

1985

Located in Texas Vitro Packaging is born for the sale and distribution of glass containers in the U.S.

1991

MUVi - Glass Museum opened its doors to record, preserve and promote the history of glass.

1995

Vitro acquires Vidrio Lux, the largest glass container producer in Bolivia.

1996

Vitro Colombia is created to produce and distributes automotive and architectural glass.

2007

Starts operations one of the world's largest glass containers plants towards meeting the requirements of the CFT market.

2008

Vitro obtains for the first time the label: Socially Responsible Company.

2011

Vitro receives for the first time the Sustainable Business Seal by the Mexican Stock Exchange.

Alcali - Our Plants' History

1963

Launching of operations at the Sodium Chloride (salt) plant

1966

Beginning of operations at the Sodium Carbonate plant

1979

Beginning of operations at the Sodium Bicarbonate plant

1986

Launching of Distribution Center to US and Canada.

1987

Launching of the Calcium Chloride plant



Installed Capacity

Plant's	Start Operations	Beginner Capacity (mT/year)	Current Capacity (mT/year)
Calcium Chloride	1963	89,800	120,000
Sodium Carbonate	1966	90,000	320,000
Sodium Bicarbonate	1979	19,000	87,000
Calcium Chloride	1987	30,000	184,000

Our Process

Plants



Sodium Carbonate



Sodium Bicarbonate
Tecnichal
USP



Sodium Chloride



Calcium Chloride

- 38%
- 94%



- **POWER PLANT**
- **SOLIDS SEPARATOR PLANT**
- **WATER RECOVERY PLANT**
- **WASTEWATER TREATMENT PLANT**
- **BRINE FIELDS**
- **CALCIUM CARBONATE DEPOSITS**
- **EFFLUENT INJECTION FIELDS**

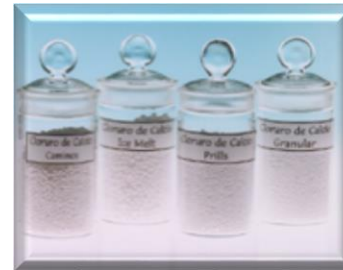
Our Products and Markets



Sodium Carbonate



Sodium Bicarbonate



Calcium Chloride



Sodium Chloride



Sodium Carbonate



Presentations

Light	Dense
25 kg. Bags	50 Kg. Bags
500 kg. Supersacks	1 Metric Ton Supersacks
Bulk	Bulk

Companies Supplied By ALCALI

Sodium Carbonate

Glass



Companies Supplied By ALCALI

Sodium Carbonate

Powder Detergents



Companies Supplied By ALCALI

Sodium Carbonate

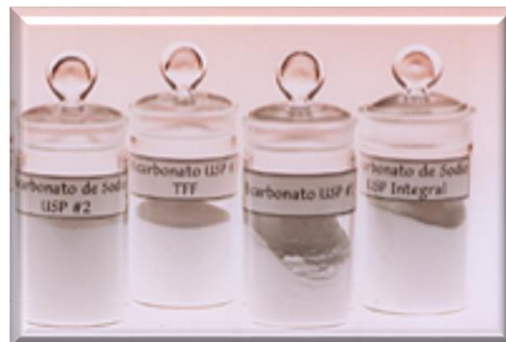
Smelting



Mining



Sodium Bicarbonate



Presentations

USP		Technical	Animal
<u>Granular</u> 50 kg. Bags 1 Ton. Super sacks	<u>Grade # 1</u> 50 kg. Bags 50 Lb. Bags	50 Lb. bags 1 Ton. Supersacks	50 Lb. Bags 1 Metric Ton. Super sacks
<u>Integral</u> 50 kg. Bags	<u>Pulverized</u> 1 Ton. Super sacks		

Companies Supplied By ALCALI

Sodium Bicarbonate

Cattle, Pork and Bird Feed



Bachoco®



Companies Supplied By ALCALI

Sodium Bicarbonate

FCC Grade



Companies Supplied By ALCALI

Sodium Bicarbonate

Pharmaceutical



Alka-Seltzer®



ASPIRINA[®]
EFERVESCENTE

 Bristol-Myers Squibb



Technical



 Kidde

Sodium Chloride



Presentations

Liquid Salt (Brine)	Dry Salt			Humidified Salt
Tank car	<u>Iodized</u>	<u>Fluoridated Iodized</u>	<u>Industrial</u>	36 kg. sacks
Tanker truck	50kg. sacks	50kg. sacks	50 kg. sacks	920 kg. Supersacks
	1 kg. bags	1 kg. bags	1000 kg. Supersacks	
	800 grs. canister	800 grs. canister		
	500 grs. bags	500 grs. bags		

Companies Supplied By ALCALI

Sodium Chloride (Salt)

FCC Grade



La Finá



Companies Supplied By ALCALI

Sodium Chloride (Salt)

Chemical Processes



CLORALEX



CLORTEX



Water treatment (Brine)
Indirect Customers

FEMSA



Calicum Chloride



Presentations

CC Liqueur 10% Industrial Grade	CC Liqueur 38%	CC 94% Granular Grade	CC 94% FCC Grade	CC 94% Prills Grade/ Briners/Powder	CC 94% Icemelt Grade
Bulk	Industrial Grade Bulk Feed Grade Bulk	36 kg Bags 950 kg Supersacks	80 lbs Bags 50 lbs Bags 100 lbs Drums 110 lbs Drums	50 lbs Bags 80 lbs Bags Supersacks Drums	40 lbs Bags 50 lbs Bags 80 lbs Bags Supersacks 50 lbs Boxes 100 lbs Boxes Drums

Companies Supplied By ALCALI

Calcium Chloride

Oil



HALLIBURTON



Weatherford

Mi SWACO
A Schlumberger Company



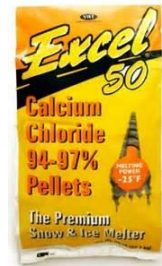
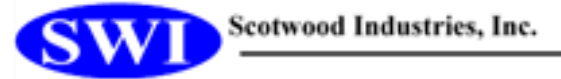
Cliente Indirecto



Companies Supplied By ALCALI

Calcium Chloride

De-icing / Concret



Cliente Indirecto



Companies Supplied By ALCALI

Calcium Chloride

FCC Food Grade



Cientes Indirectos



Mexican Market Participation

Sodium Carbonate

Sodium Bicarbonate

Salt

Calcium Chloride

47%

80%

10%

90%

Human Resources



Industria del Álcali has a workforce of:

522 Operational Employees

151 Office Employees

Certifications and Awards

SGS



- ISO-9000:2000 Certification
- ISO-14000 Recertification
- National Quality Award
- Iberian – American Award
- “CLEAN INDUSTRY” PROFEPA Award
- AST Administration Model Award
(Award received for 5 consecutive years)
- Excellent Vendor Awards

PREMIO
IBEROAMERICANO
DE LA CALIDAD



ANIQ member &
Responsible Care

ANIQ



Our Providers



Envases y Laminados



Pedrera San Ángel



Sustainability

Alclai as a subsidiary of Vitro, is committed to ensure that all operations preserve and protect the environment and the community, so we offer sustainable solutions to meet the needs of our customers and consumers.

With the Vitro Sustainability Model, that's held on three pillars and framed by a Responsible Corporate Management, we promote initiatives to secure optimal conditions that generate the best economic, social and environmental development of our stakeholders.



Under this scheme we support various organizations working on issues such as wildlife conservation, cultural development and urban reforestation.

- Vitro Parque el Manzano: <http://www.vitroparqueelmanzano.com>
- MUVi: <http://www.museodelvidrio.com>
- Ovis: <http://www.ovis.org.mx>

To know in detail the actions carried out by Vitro on Sustainability; visit the Sustainable Development Reports available in <http://www.vitro.com/en/sustainability>

Sustainability



OVIS is a non-profit organization based in Monterrey, Mexico, dedicated to secure the future and conservation of the world's wild species.



Sustainability



•Quality Of Life



Art and Culture
Promotion



Environment preservation and education, Glass Recycling

