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The information contained herein is drawn from sources believed to be reliable. However, the Institute and its members, jointly or severally, make no guarantee as to completeness or accuracy and assume no liability in connection with any of this information. Any errors or omissions noted should be directed to the Secretary of the Institute.

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Unless otherwise specifically noted, information reflects industry status as of Jan. 1 of the year of publication.

Notes and Symbols

Notes

1. Electrolytic plant producing caustic soda, chlorine and hydrogen from brine
2. Electrolytic plant producing caustic potash, chlorine and hydrogen from brine
3. Electrolytic plant producing caustic soda, caustic potash, chlorine and hydrogen from brine
4. Electrolytic plant producing metallic sodium and chlorine from molten sodium chloride
5. Electrolytic plant producing chlorine and hydrogen from hydrochloric acid
6. Non-electrolytic plant producing chlorine and potassium nitrate
7. Pulp Mill
8. Not Operating
9. Electrolytic plant producing magnesium and chlorine from molten magnesium chloride
10. Non-electrolytic plant producing chlorine by oxidation of hydrogen chloride
11. 100% chlor-alkali production used for on-site sodium hypochlorite production

Symbols

C	Cylinders
T	Ton Containers
S	Single Unit Tank Cars
B	Barges
W	Tank Trailer

Legend/Table Designations

NA	Not Available
P	Preliminary
R	Revised as of August 2016
D	Withheld to avoid disclosing

Italicization denotes non-members of the Chlorine Institute.

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Table 1: Chlorine Plants in the United States (Not including plants being built)

State & City	Producer	Year Built*	Cell Type	Container**	Notes
Alabama					
Burkville	SABIC Innovative Plastics	1987	OxyTech H2A diaph, membrane '96	- -	1
			Eltech membrane '01		
McIntosh	Olin Corporation	1952	OxyTech H4 diaphragm '77, '78	S B	1
			Uhde membrane '04, '06, '07		
Mobile***	Occidental Chemical Corp.	1964	OxyTech MGC membrane '91, '94	S -	1, 8
California					
Mountain Pass***	Molycorp	2014	Uhdenora BM 2.T	- -	1, 11
Pittsburg	K2 Pure Solutions	2011	Uhde membrane BM 2.7	- -	1
Delaware					
Delaware City	Kuehne Chemical Co., Inc.	2000	Ineos FM-1500 membrane	- -	1, 11
Denver					
Colorado	*Colorado Salt Products*	*2013*	*Ineos Nestpak-2.9*	- -	*11*
Florida					
Fort Pierce	Allied New Technologies Inc.	2010	Ineos-Bi-Polar	- -	1, 11
Tampa	*Odyssey*	- -	*Ineos FM-21*	- -	*1,11*
Indiana					
Mt. Vernon	SABIC Innovative Plastics	1976	OxyTech H2A diaphragm '95, '96	- -	1
Kansas					
Wichita	Occidental Chemical Corp.	1952	OxyTech HC3BT, H4 '75 diaphragm	S -	1
			OxyTech membrane '83		
Kentucky					
Calvert City	Westlake Chemical Corp.	1966	Asahi membrane '02	S -	1
Louisiana					
Convent	Occidental Chemical Corp.	1981	OxyTech MDC55 diaphragm '95	S -	1
Geismar	Occidental Chemical Corp.	1976	OxyTech MDC55 diaphragm	S -	1
			BITAC Bipolar membrane '00		1
Geismar	Westlake Chemical Corp.	2013	Chlorine Engineers membrane	S -	1
Lake Charles	Axiall Corporation	1947	Chlorine Engineers, membrane '07	S B	1
			Glanor 1144 diaphragm '77, '80		
			Bipolar 1161 diaphragm '83		
Plaquemine	Axiall Corporation	1975	OxyTech H4 diaphragm '95, '96	S -	1
Plaquemine	Olin Corporation	1958	Dow diaphragm	- -	1
Plaquemine	*Shintech*	*2008*	*Asahi membrane*		
St. Gabriel	Olin Corporation	1970	CEC nBiTAC membrane '09	S -	1
Taft	Occidental Chemical Corp.	1966	OxyTech HC4B, H4 '75 diaphragm	S -	3
			OxyTech MGC membrane '86		
			OxyTech MGC membrane '98		
Nevada					
Henderson	Olin Corporation	1942	OxyTech MDC29 diaph. '76, '95	S W	1
Henderson	*Titanium Metals Inc.*	*1943*	*I.G. Farben magnesium*	- -	*9*

NOTES

Years shown in "Cell Type" column indicate additions of production capacity.

* Refers to year chlorine production started at location.

** Refers to bulk chlorine containers filled at plant.

*** Not currently operating.

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Table 1: Chlorine Plants in the United States (continued)

State & City	Producer	Year Built*	Cell Type	Container **	Notes
New Jersey					
South Kearny	Kuehne Chemical Co., Inc.	2015	Ineos BiPolar	- -	1, 11
New York					
Niagara Falls	Occidental Chemical Corp.	1898	Down's sodium	- -	4
Niagara Falls	Olin Corporation	1987	OxyTech H4 diaphragm '74, '78	S -	1
Niagara Falls	The Chemours Company	1896	Asahi Chemical membrane '87, '97	S -	1
Sherrill	Tibro Water Technologies	2010			
			Klorigen	- -	1, 11
North Carolina					
Hamlet	Trans Carolina Products, LLC	2007			
			Uhdenora V-6, membrane		1
Ohio					
Ashtabula	ASHTA Chemicals, Inc.	1963			
Seville	*BleachTech*	*2005*	Olin E11F mercury	S -	2
			Eltech ExL Dense Pack Membrane	*- -*	*1, 11*
Pennsylvania					
Pottstown	*Buckman's*	*- -*			
			Klorigen Electrolyzers	*- -*	*1, 11*
Tennessee					
Charleston	Olin Corporation	1962			
New Johnsonville	Occidental Chemical Corp.	2014	Ineos Membrane '12	S B	1
			nBiTAC Bipolar Membrane	S -	1
Texas					
Battleground	Occidental Chemical Corp.	1974			
Baytown	Covestro LLC	1972	OxyTech MDC 29 diaphragm	S -	1
Freeport	Olin Corporation	1940	BiTAC membrane	- -	1
Freeport	*Dow Mitsui JV*	*2014*	Dow diaphragm-Membrane added '99	S -	1
Greenville	*FSTI*	*2009*	*Membrane*	*S -*	*1*
Ingleside	Occidental Chemical Corp.	1974	*Ineos BiPolar*	*- -*	*1, 11*
Point Comfort	Formosa Plastics	1993	OxyTech MDC-55 diaph. 7/98, 12/05	S -	1
			Membrane	- -	1
			Membrane cells added 9/98		
Utah					
Rowley	US Magnesium LLC	1972			
			M' cells; AMAX	S -	9
Virginia					
Petersburg	*BleachTech*	*2010*			
			Uhdenora Bipolar Membrane	*- -*	*1, 11*
Washington					
Longview	Axiall Corporation	2006			
			Ineos FM-21SP, membrane	S -	1
West Virginia					
New Martinsville	Axiall Corporation	1943			
			Columbia N3, N6 diaphragm	S B	1
			Uhde 20 sq. m. mercury '58		
			OxyTech MDC55 diaphragm '84		
Wisconsin					
Port Edwards	ERCO Worldwide (USA) Inc.	1967			

NOTES

Years shown in "Cell Type" column indicate additions of production capacity.

* Refers to year chlorine production started at location.

** Refers to bulk chlorine containers filled at plant.

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Table 2. Chlorine Plants in Canada and Mexico (Not including plants being built)

CANADA

Province & City	Producer	Year Built*	Cell Type	Container**	Notes
British Columbia					
North Vancouver	Canexus	1957	CEC n-BiTAC membrane '10	S -	1
New Brunswick					
Nackawic	AV Nackawic, Inc.	1979	Asahi Chemical membrane '79 PAN Type Replacement, '10	- -	1, 7
Quebec					
Beauharnois	Axiall Corporation	1948	ICI-FM21-SP membrane '90	S -	1
Becancour	Olin Corporation	1975	OxyTech H2A ICI DMT diaphragm '96, '97 FM21 membrane '97	S -	1
Saskatchewan					
Saskatoon	ERCO Worldwide	1963	Asahi Chemical membrane '78 PAN Type Replacement in '09	S -	1

MEXICO

State & City	Producer	Year Built*	Cell Type	Container**	Notes
Jalisco					
Guadalajara	*Mexichem Derivados, S.A. de C.V.*	*1976*	*OxyTech MDC29 PMX, diaphragm*	*CTS*	*1*
Mexico					
Tlalnepantla	Clorox Mexico, S.A. de C.V.	2000	Bipolar, membrane	---	11
Santa Clara	Industria Quimica del Istmo, S.A. de C.V.	2007	Uhde BM2, 7-114, 4th membrane	---	1
Monterrey					
Nuevo Leon	Industria Quimica del Istmo, S.A. de C.V.	1958	Mathieson E8 mercury	CTS	1
Nuevo Leon	ROT Quimica, S.A. de C.V.	1977	UHDE BM 2, 7-30,3ª-4ª, '07 OxyTech MGC-5x2 '96 membrane Diamond Shamrock DM 14, '81 Ionics '77, membrane	CTS	1
Veracruz					
Coatzacoalcos	Industria Quimica del Istmo, S.A. de C.V.	1967	De Nora 18X4, 18H4 '72 mercury	CTS	1
Coatzacoalcos	*Mexichem Derivados, S.A. de C.V.*	*1980*	*Glanor V1244 Asahi Reinforced Diaph.*	*CTS*	*1*

NOTES

Years shown in "Cells" column indicate additions of production capacity.

* Refers to year chlorine production started at location.

** Refers to bulk chlorine containers filled at plant.

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Table 3: Chlorine Producers in the United States

(Alphabetically, Including plants being built & not operating)

Allied New Technologies, Inc.
Ft. Pierce, Florida

ASHTA Chemicals, Inc.
Ashtabula, Ohio

Axiall Corporation
1. Lake Charles, Louisiana
2. Longview, Washington
3. New Martinsville, West Virginia
4. Plaquemine, Louisiana

BleachTech
1. Petersburg, Virginia
2. Seville, Ohio

Buckman's Inc.
Pottstown, Pennsylvania

The Chemours Company
Niagara Falls, New York

Colorado Salt Products
Denver, Colorado

Covestro LLC
Baytown, Texas

ERCO Worldwide (USA) Inc.
Port Edwards, Wisconsin

Formosa Plastics Corp., USA
Point Comfort, Texas

FSTI
Greenville, Texas

K2 Pure Solutions
Pittsburg, California

Kuehne Chemical Company
Delaware City, Delaware
South Kearny, New Jersey

Molycorp
Mountain Pass, California*

Occidental Chemical Corporation
1. Battleground, Texas
2. Convent, Louisiana
3. Geismar, Louisiana
4. Ingleside, Texas
5. Mobile, Alabama*
6. New Johnsonville, TN
7. Niagara Falls, New York
8. Taft, Louisiana
9. Wichita, Kansas

Odyssey Mfg.
Tampa, Florida

Olin Corporation
1. Charleston, Tennessee
2. Freeport, TX
3. Henderson, Nevada**
4. McIntosh, Alabama
5. Niagara Falls, New York
6. Plaquemine, Louisiana
7. St. Gabriel, Louisiana

SABIC Innovative Plastics
1. Burkville, Alabama
2. Mt. Vernon, Indiana

Shintech
Plaquemine, Louisiana

Tibro Water Technologies
Sherrill, New York

Titanium Metals Inc. TIMET Division
Henderson, Nevada

Trans Carolina Products, LLC
Hamlet, North Carolina

US Magnesium LLC
Rowley, Utah

Westlake Chemical Corporation
1. Calvert City, Kentucky
2. Geismar, Louisiana

* Not currently operating
**Not currently producing chlorine

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Table 4: Chlorine Producers in Canada and Mexico
(Alphabetically – Including being built and not operating)

CANADA

AV Nackawic, Inc.
Nackawic, New Brunswick

Axiall Corporation
Beauharnois, Quebec

Canexus
No. Vancouver, British Columbia

ERCO Worldwide
Saskatoon, Saskatchewan

Olin Corporation
Becancour, Quebec

MEXICO

Clorox Mexico S.A. de C.V.
Tlalnepantla, Mexico

Industria Quimica del Istmo, S.A. de C.V.
1. Coatzacoalcos, Veracruz
2. Monterrey, Nuevo Leon
3. Santa Clara, Mexico

Mexichem Derivados, S.A. de C.V.
1. Coatzacoalcos, Veracruz
2. Guadalajara, Jalisco

ROT Quimica S.A. de C.V.
Monterrey, Nuevo Leon

Table 5: Sodium Hypochlorite Production Facilities in the United States
(Followed by Canadian and Mexican Sodium Hypochlorite Producers)

Alexander Chemical Corp., a Carus Group Inc. Co.
Kingsbury, IN

Allied New Technologies
Ft. Pierce, FL

Allied Universal Corp.
1. Brunswick, GA
2. Ellisville, MS
3. Miami, FL
4. Ranger, GA
5. Tampa, FL (Chem. Formulators)

BEI
Kapolei, HI

BleachTech
1. Seville, OH
2. Petersburg, VA

Borden & Remington Corp.
Fall River, MA

Brenntag USA
1. Chattanooga, TN
2. Clearwater, FL
3. Henderson, KY

Brenntag USA (cont.)
4. Houston, TX
5. Kansas City, MO
6. Notawa, OK
7. Orlando, FL
8. Port of Catoosa, OK
9. St. Albans, WV
10. St. Gabriel, LA
11. Terre Haute, IN

Buckman's Inc.
Pottstown, PA

Clorox Mfg. Co. of Puerto Rico
Caguas, Puerto Rico

Colorado Salt Products LLC
Denver, CO

DPC Enterprises
1. Festus, MO
2. Glendale, AZ
3. Mobile, AL
4. Reserve, LA

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Table 5: Sodium Hypochlorite Production Facilities (continued)

DPC Industries
1. Albuquerque, NM
2. Cleburne, TX
3. Hudson, CO
4. Omaha, NE
5. Rosemount, MN
6. Sweetwater, TX

DXI Industries
Houston, TX

FSTI
Greenville, TX

GAC Chemical Corporation
Searsport, ME

H. Krevit & Co.
New Haven, CT

Harcros Chemicals Inc.
Muscle Shoals, AL

HASA, Inc.
1. Eloy, AZ
2. Longview, WA
3. Pittsburg, CA
4. Saugus, CA

Hawkins, Inc.
1. Camanche, IA
2. Dupo, IL
3. Memphis, TN
4. St. Paul, MN

Hill Brothers Chemical Co.
Phoenix, AZ

Hydrite Chemical Company
Oshkosh, WI

JCI Jones Chemicals, Inc.
1. Barberton, OH
2. Beech Grove, IN
3. Caledonia, NY
4. Charlotte, NC
5. Jacksonville, FL
6. Merrimack, NH
7. Milford, VA
8. Riverview, MI
9. Tacoma, WA
10. Torrance, CA
11. Warwick, NY

K2 Pure Solutions
Pittsburg, CA

K.A. Steel Chemicals, Inc.
Lemont, IL

KIK Corp.
1. Auburndale, FL
2. Hampton, GA
3. Houston, TX
4. Salem, VA
5. Santa Fe Springs, CA

Kuehne Chemical
1. Delaware City, DE
2. South Kearny, NJ

Laser Products
Juncos, PR

Miami Products & Chemical Co
Fairborn, OH

Occidental Chemical Corp.
Niagara Falls, NY

Odyssey Mfg. Company
Tampa, FL

Olin Corporation - U.S.
1. Augusta, GA
2. Charleston, TN
3. Henderson, NV
4. McIntosh, AL
5. Niagara Falls, NY
6. Santa Fe Springs, CA
7. Tacoma, WA
8. Tracy, CA

OnLine Packaging, Inc.
1. Ardmore, OK
2. Michigan City, IN
3. Plover, WI

Petra Chemical Company
Dallas, TX

Rowell Chemical Corp.
Willow Springs, IL

Sentry Industries, Inc.
Miami, FL

Sierra Chemical, a Carus Group Inc. Company
1. Sparks, NV
2. Stockton, CA

Surpass Chemical Company, Inc.
Albany, NY

Thatcher Company
1. Henderson, NV
2. Salt Lake City, UT

Tibro Water Technologies
Sherrill, NY

Trans Carolina Products LLC
Hamlet, NC

UNIVAR USA
1. Cincinnati, OH
2. Middletown, PA
3. Providence, RI

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Table 6: Sodium Hypochlorite Production Facilities in Canada

Advance Chemicals
Port Coquitlam, BC

Brenntag Canada
1. Cornwall, ON
2. Langley, BC
3. Winnipeg, MB

ClearTech Industries, Inc.
1. *Edmonton, AB*
2. *Saskatoon, SK*
3. *Vancouver, BC*

Axiall Corporation
Beauharnois, QB

KIK Corp.
Concord, ON

Lavo Inc.
Weston, ON (Dutch Products Inc.)

Olin Corporation – Canada
Becancour, QB

Table 7: Sodium Hypochlorite Production Facilities in Mexico

Clorox Mexico, S.A. de C.V.
Tlalnepantla, Mexico

Industrias Alen, S.A. de C.V.
Monterrey, Nuevo Leon

Ionics, S.A. de C.V.
Acapulco, Guerrero

Industria Quimica del Istmo, S.A. de C.V.
1. Apizaco, Tlaxcala
2. Coatzacoalcos, Veracruz
3. Hermosillo, Sonora
4. Monterrey, Nuevo Leon
5. Santa Clara, Mexico

Mexichem Derivados S.A. de C.V.
1. *Coatzacoalcos, Veracruz*
2. *El Salto, Jalisco*

Quimica Goncal, S.A. de C.V.
Apodaca, Nuevo Leon

ROT Quimica, S.A. de C.V.
El Carmen, Nuevo Leon

Table 8: Specialty* Chlorine Packaging Plants in the United States and Canada

Alexander Chemical Corporation, a Carus Corp. Co.
Kingsbury, IN

Linde
Medford, OR

Linde Canada
Whitby, ON

Matheson, Inc.
1. *Joliet, IL*
2. *New Johnsonville, TN*

*Specialty refers to the size of the container. e.g. lecture bottle, small cylinder, etc.

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Table 9: Chlorine Packaging Plants in the United States (Alphabetically By State)

Plant Location	Company	Containers
Alabama		
Mobile	DPC Enterprises	C T
Muscle Shoals	Harcros Chemical Co.	C T
Arizona		
Glendale	DPC Enterprises	CWT
Phoenix	Hill Brothers Chemical Co.	C T
California		
Santa Fe Springs	Olin Corporation	W
Stockton	Sierra Chemical Company, a . Carus Group Inc. Co	CWT
Torrance	JCI Jones Chemicals, Inc.	C T
Colorado		
Hudson	DPC Industries, Inc.	CWT
Delaware		
Delaware City	Kuehne Chemical Company	T
Florida		
Jacksonville	JCI Jones Chemicals, Inc.	C T
Miami	Allied Universal Corp.	C T
Orlando	Brenntag USA	C T
Tampa	Chemical Formulators Inc. (CFI)	C T
Georgia		
Brunswick	Allied Universal Corp.	C T
Ranger	Allied Universal Corp.	C T
Indiana		
Beech Grove	JCI Jones Chemicals, Inc.	C T
Kingsbury	Alexander Chemical Corp., a Carus Group Inc. Co.	C T
Terre Haute	Brenntag USA	C T
Kentucky		
Henderson	Brenntag USA	C T
Louisiana		
Reserve	DPC Enterprises	CWT
St. Gabriel	Brenntag USA	C T
Michigan		
Riverview	JCI Jones Chemicals, Inc.	C T
Minnesota		
Rosemount	DPC Industries, Inc.	C T
St. Paul	Hawkins, Inc.	C T
Mississippi		
Ellisville	Allied Universal Corp.	C T
Missoui		
Festus	DPC Enterprises	C T
Nebraska		
Omaha	DPC Industries, Inc.	C T
Nevada		
Sparks	Sierra Chemical Co., a Carus Group Inc. Co.	CWT
New Hampshire		
Merrimack	JCI Jones Chemicals, Inc.	C T
New Jersey		
So. Kearny	Kuehne Chemical Company	T
New Mexico		
Albuquerque	DPC Industries, Inc.	CWT
New York		
Caledonia	JCI Jones Chemicals, Inc.	C T
Warwick	JCI Jones Chemicals, Inc.	C T
North Carolina		
Charlotte	JCI Jones Chemicals, Inc.	C T
Ohio		
Barberton	JCI Jones Chemicals, Inc.	C T
Cincinnati	UNIVAR USA	C T
Oklahoma		
Port of Catoosa	Brenntag USA	CWT
Nowata	Brenntag USA	C T
Pennsylvania		
Bunola	UNIVAR USA	C T
Middletown	UNIVAR USA	C T
Tennessee		
Chattanooga	Brenntag USA	C T
Texas		
Cleburne	DPC Industries, Inc.	CWT
Houston	Brenntag USA	CWT
Houston	DXI Industries	CWT
Sweetwater	DPC Industries, Inc.	C T
Utah		
Salt Lake City	Thatcher Company	C T
Virginia		
Milford	JCI Jones Chemicals, Inc.	C T
Washington		
Tacoma	JCI Jones Chemicals, Inc.	C T
West Virginia		
St. Albans	Brenntag USA	C T
Wisconsin		
Oshkosh	Hydrite Chemical Co.	C T

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Table 10: Chlorine Packagers in the United States (Alphabetically by Company)

Alexander Chemical, a Carus Group Inc. Co.
Kingsbury, IN

Allied Universal Corp.
1. Brunswick, GA
2. Ellisville, MS
3. Miami, FL
4. Ranger, GA
5. CFI/Tampa, FL

Brenntag USA
1. Chattanooga, TN
2. Henderson, KY
3. Houston, TX
4. Nowata, OK
5. Orlando, FL
6. Port of Catoosa, OK
7. St. Albans, WV
8. St. Gabriel, LA
9. Terre Haute, IN

DPC Enterprises
1. Festus, MO
2. Glendale, AZ
3. Mobile, AL
4. Reserve, LA

DPC Industries, Inc.
1. Albuquerque, NM
2. Cleburne, TX
3. Hudson, CO
4. Omaha, NE
5. Rosemount, MN
6. Sweetwater, TX

DXI Industries (sub. of DPC)
Houston, TX

Harcros Chemicals, Inc.
Muscle Shoals, AL

Hawkins, Inc.
St. Paul, MN

Hill Brothers Chemical Co.
Phoenix, AZ

Hydrite Chemical Co.
Oshkosh, WI

JCI Jones Chemicals, Inc.
1. Barberton, OH
2. Beech Grove, IN
3. Caledonia, NY
4. Charlotte, NC

JCI Jones Chemicals, Inc. (cont.)
5. Jacksonville, FL
6. Merrimack, NH
7. Milford, VA
8. Riverview, MI
9. Tacoma, WA
10. Torrance, CA
11. Warwick, NY

Kuehne Chemical Co.
1. Delaware City, DE
2. So. Kearny, NJ

Olin Corporation
Santa Fe Springs, CA

Sierra Chemical, a Carus Group Inc. Co.
1. Sparks (Reno), NV
2. Stockton, CA

Thatcher Company
Salt Lake City, UT

UNIVAR USA
1. Bunola, PA
2. Cincinnati, OH
3. Middletown, PA

Table 11: Chlorine Packaging Plants in Canada and Mexico

CANADA

Brenntag Canada, Inc.
1. Cornwall, ON — C T
2. Langley, BC — C T
3. Winnipeg, MB — C T

ClearTech Industries
1. Saskatoon, SK — C T
2. Vancouver, BC — - T

MEXICO

Mexichem Derivados S.A. de C.V.
1. Coatzacoalcos, Veracruz
2. El Salto, Jalisco

Iquisa, S.A. de C.V.
1. Apizaco, Tlaxcala
2. Coatzacoalcos, Veracruz
3. Hermosillo, Sonora
4. Monterrey, Nuevo Leon

Quimica Mexicana, S.A. de C.V.
Culiacan, Sinaloa

NOTES – Tables 9 & 11
C = Cylinders
T = Ton Containers
W = Bulk shipments only (tank trailers)

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Table 12: Chlorine Capacity and Production in the United States (Short Tons)

(U.S. Department of Commerce Data – See Notes)

	CAPACITY	[GAS PRODUCTION]			[LIQUID PRODUCTION]	
	(1)	(2)	(3)	(4)	(5)	(6)
Year	Daily	Annual	Avg. Tons Daily	% Liquefied	Annual	Avg. Tons Daily
1909		24,754				NA
1921					28,611	
1930	827	241,420	661		NA	
1935	944	363,200	995		207,380	
1940	1,696	696,472	1,903		NA	
1945	4,012	1,192,081	3,266		NA	
1950	5,580	2,084,161	5,710	47.1	981,023	2,687
1960	13,960	4,636,939	12,123	51.1	2,398,031	6,552
1965	17,245	6,517,079	17,855	53.5	3,484,312	9,546
1970	28,276	9,763,702	26,750	45.4	4,428,972	12,134
1975	34,010	9,167,125	25,115	58.0	5,316,918	14,567
1980	39,391	11,421,105	31,205	61.9	7,067,786	19,311
1985	38,298	10,402,060	28,499	77.3	8,045,959	22,044
1990	36,411	11,809,684	32,355	81.7	9,647,133	26,430
1991	35,936	11,572,224	31,705	82.0	9,369,216	25,669
1992	35,594	11,757,216	32,124	82.5	9,697,513	26,569
1993	35,807	12,078,932	32,093	81.7	9,865,297	27,028
1994	35,632	12,187,313	33,390	81.5	9,934,248	27,217
1995	37,204	12,395,320	33,960	82.0	10,162,671	27,843
1996	38,416	12,460,241	34,138	80.3	10,007,055	27,417
1997	39,612	12,922,235	35,403	80.7	10,427,140	28,567
1998	39,290	12,841,273	35,182	82.1	10,541,548	28,881
1999	39,683	13,352,756	36,583	88.7	11,840,996	33,261
2000	41,617	13,130,668	35,876	86.9	11,412,517	31,182
2001	42,263	12,664,934	34,698	86.9	11,003,150	30,146
2002	41,272	12,607,878	34,542	85.8	10,811,651	29,621
2003	39,419	11,421,454	31,292	85.6	9,776,724	26,785
2004	38,619	13,590,484	37,132	84.8	11,525,169	31,490
2005	38,705	11,328,690	31,037	86.2	9,759,703	26,739
2006	37,840	12,422,910	34,090	84.8	10,551,639	28,909
2007	37,947	11,894,771	32,588	86.3	10,259,691	28,108
2008	38,256	10,672,926	29,161	85.1	9,080,230	24,809
2009	38,506	9,390,863	25,728	84.1	7,894,024	21,627
2010*	38,712	10,714,693	29,355	84.0	9,002,195	24,664

SOURCES

Column 1 (As of Jan. 1 of year indicated) ..... Source: Data collected by the Chlorine Institute

Column 2 for years 1930-1940 ..... Source: "Chlorine in World War II", R.T. Baldwin, Armed Forces Chemical Journal, Oct. 1948.

Column 2, and 5 for years 1945 onward ..... Source: Inorganic Chemicals Summary, MQ325A(09)-05, (chlorine – NAICS 3251811111) U.S. Dept. of Commerce, Economics & Statistics Admin., U.S. Census Bureau (http://www.census.gov/mcd/).

Columns 3, 4, and 6 are computed by the Institute from columns 2 and 5 (Basis 365 or 366 days).

Column 5 for years 1921 through 1945 ..... Source: Biennial Census of Manufacturers - "Made for Sale" (pulp industry not included).

***Annual Data no longer available from U.S. Dept. of Commerce.**

NOTES R = Revised from last year's table. Gas figures include amounts liquefied

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Table 13: Sodium Hydroxide Production in the United States (Short Tons)
(U.S. Department of Commerce Data – See Notes)

Col.	(1)	(2)	(3)	(4)	(5)	(6)	(7)
		Production - All Processes					
Year	Total	Liquid 68 - 74%	Liquid Other	All Dry Forms	All Liquid Manufacturers Shipments	All Liquid Exports	All Liquid Imports
1950	2,510,720	NA	NA		1,726,378	NA	NA
1960	4,981,860	927,821	3,518,346		3,072,700	NA	NA
1970	10,140,988	836,617	8,545,395		6,880,095	NA	NA
1975	9,634,541	551,735	8,799,772	392,827	6,691,415	NA	NA
1980	11,624,901	435,284	10,763,237	441,030	8,484,910	1,413,171	131,805
1985	10,789,725	278,522	10,460,696	255,201	8,488,736	1,170,836	553,929
1990	12,029,806	219,957	11,816,227	225,014	10,183,283	1,658,661	1,048,245
1991	12,033,115	173,195	11,524,204	219,342	9,820,984	1,413,694	845,092
1992	12,244,489	D	12,237,646	199,411	9,763,050	-	-
1993	12,493,386	D	12,449,689	195,891	9,877,274	-	-
1994	12,538,967	D	12,529,257	201,708	11,368,057	-	-
1995	11,408,324	D	11,405,637	D	10,349,564	1,676,333	488,445
1996	11,562,556	D	11,508,817	D	10,489,482	1,858,673	512,383
1997	11,972,801	D	11,895,871	D	10,861,645	1,348,441	498,624
1998	13,112,525	D	11,895,683	D	10,936,035	1,500,548	540,900
1999	13,198,820	D	11,973,970	D	9,640,872	3,160,217	846,704
2000	11,523,198	D	10,448,856	D	NA	3,572,759	900,778
2001	10,816,733	D	NA	D	NA	3,454,824	1,322,163
2002	10,428,994	D	NA	D	NA	3,056,461	1,173,692
2003	9,696,465	D	NA	D	NA	3,405,897	1,242,457
2004	10,603,810	D	NA	D	NA	3,213,767	1,246,337
2005	9,392,020	D	NA	D	NA	3,076,154	1,742,229
2006	9,735,363	D	NA	D	NA	3,425,600	1,938,571
2007	8,869,335	D	NA	D	NA	4,102,324	1,628,903
2008	8,111,256	D	NA	D	NA	3,851,370	2,197,671
2009	7,241,525	D	NA	D	NA	3,700,487	2,159,986
2010*	8,244,872	D	NA	D	NA	4,431,100	1,945,080

SOURCE: Columns 1, 2, 3, 4, 5, 7 - Inorganic Chemicals Summary, MQ325A(09)-05, U.S. Dept. of Commerce, Economics & Statistics Admin., U.S. Census Bureau. ***Annual Data no longer available from U.S. Dept. of Commerce.**

NOTES: Liquid production includes quantities later evaporated to dry caustic.

LEGEND: D = Production data withheld to avoid disclosing figures for individual companies.
R = Revised from last year's table.

NAICS Product Codes: Chlorine, gas and liquid 325181111, 1121; Sodium hydroxide 3251814111

NA = Not Available

Table 14: Chlorine Capacity and Chlorine and Sodium Hydroxide Production in Canada (Metric Tons)

Col.	(1)	(2)	(3)	(4)	(5)
YEAR	DAILY CAPACITY	ANNUAL	GAS PRODUCTION CHANGE FROM PREVIOUS YEAR	DAILY AVERAGE	SODIUM HYDROXIDE
1960	872	290,378	30,120	794	
1965	1,330	516,273	80,046	1,414	
1970	2,393	761,787	4,452	2,087	
1975	2,998	760,537	-194,088	2,084	
1980	3,444	1,301,768	267,529	3,557	
1985	4,282	1,423,626	121,858	3,901	
1990	4,739	1,542,303	118,677	4,225	
1991	4,443	1,402,397	-139,906	3,842	1,497,795
1992	---	1,364,417	-37,980	3,728	1,428,134
1993	3,618	1,169,686	-194,731	3,525	1,224,561
1994	---	1,073,885	-95,801	3,236	1,153,369
1995	3,695	1,173,347	99,462	3,214	1,237,881
1996	3,561	1,107,827	-65,520	3,026	1,165,434
1997	3,468	1,060,819	-47,008	2,906	1,091,869
1998	3,412	989,061	-71,758	2,709	1,014,671
1999	3,412	1,068,304	79,243	2,927	1,076,493
2000	3,772	1,079,251	10,947	2,949	1,093,585
2001	N/A	1,063,723	-15,528	2,887	1,073,900
2002	3,451	1,094,644	30,921	2,999	1,111,006
2003	2,925	993,983	-100,661	2,723	1,058,984
2004	2,916	1,056,807	62,824	2,887	1,146,074
2005	2,889	1,008,047	-48,760	2,762	1,118,548
2006	2,716	928,842	-79,205	2,545	1,012,264
2007	1,776	600,659	-328,183	1,646	676,154
2008	1,790	569,810	-30,849	1,557	684,323
2009	1,696	485,768	-84,042	1,331	714,624
2010	1,660	466,495	-19,273	1,278	607,315
2011	1,817	567,067	100,572	1,554	514,811
2012	1,907	550,306	-16,761	1,504	No longer available
2013	1,912	600,494	50,188	1,645	No longer available
2014	2,113	509,633	-90,861	1,396	No longer available
2015	1,599	442,400	-67,233	1,212	No longer available
2016	1,599				

SOURCE: Column 1 (Jan. 1 of year indicated): Data collected by Chlorine Institute.
Columns 2 and 5: Statistics Canada, "Table 303-0053," Cat. No. 46-002 and predecessor reports.
Columns 3 and 4 are computed by the Institute from column 2 (Basis 365 or 366 days).

NOTES: Gas figures include amounts liquefied.
R = Revised from last year's table.
N/A = Not available

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Table 15: Chlorine Capacity and Chlorine and Sodium Hydroxide Production in Mexico (Metric Tons)

Col.	CHLORINE (1)	(2)	(3)	(4)	(5)	(6)	(7)	SODIUM HYDROXIDE (8)	(9)	(10)
Year	DAILY CAPACITY	GAS PRODUCTION ANNUAL	[Change from Previous Year]	%	DAILY AVG.	EXPORTS	IMPORTS	PRODUCTION	IMPORTS	EXPORTS
1980	564	169,755	(826)	(0.5)	465	2	54,606			
1981	1,208	240,970	71,215	42.0	660		14,524			
1982	1,208	300,045	59,075	24.5	822	260	1,270			
1983	1,208	303,310	3,365	1.1	831	331	7,254			
1984	1,208	298,790	(4,520)	(1.5)	816	270	2,780			
1985	1,208	301,610	2,820	0.9	826	2,741	2,048			
1990	1,198	387,564	(25,939)	(6.2)	1,062	1,440	25,440	442,662	25,440	10,468
1991	1,198	331,044	(56,520)	(14.6)	907	682	26,650	385,587	10,992	4,030
1992	1,198	373,594	42,550	12.9	1,021	2,482	19,927	418,903	4,047	5,382
1993	1,198	328,959	(44,635)	(11.9)	901	7,110	17,606	371,380	24,164	21,298
1994	1,265	358,246	29,287	8.9	981	24,321	5,060	401,152	4,100	16,877
1995	1,265	390,255	32,009	8.9	1,069	50,525	2,014	434,198	11,408	33,119
1996	1,265	415,159	24,904	6.4	1,134	55,204	2,770	463,604	38,009	22,573
1997	1,265	415,080	(79)	*	1,137	40,514	3,648	463,279	59,447	13,142
1998	1,265	414,761	(319)	*	1,136	30,881	2,872	462,693	82,042	14,294
1999	1,265	401,600	(13,161)	(3.2)	1,100	20,564	11,919	449,932	130,747	4,100
2000	1,265	398,000	(3,600)	*	1,087	26,629	13,852	444,800	201,215	5,591
2001	1,265	333,643	(64,357)	(16.2)	914	30,335	10,155	373,977	186,119	7,655
2002	1,260	369,301	35,658	10.7	1,012	44,653	2,113	413,766	149,218	5,646
2003	1,260	364,705	(4,596)	(1.2)	999	45,012	1,161	407,692	187,661	5,488
2004	1,260	359,951	(4,754)	(1.3)	983	74,540	1,225	415,312	196,310	19,069
2005	1,260	363,774	3,823	1.1	997	76,654	3,356	423,410	160,825	29,391
2006	1,260	390,572	26,798	7.4	1,070	68,252	23,603	472,130	136,990	51,397
2007	1,040	360,003	(30,569)	(7.8)	986	53,915	15,036	463,221	122,621	29,730
2008	1,092	322,225	(37,778)	(10.5)	880	73,941	10,338	425,128	134,677	23,397
2009	1,258	295,277	(26,948)	(8.4)	809	59,507	0	346,623	134,586	13,696
2010	1,622	366,066	70,789	24.0	1,003	47,236	2,879	400,672	146,177	13,292
2011	No data	291,145	(74,921)	(20.5)	798	45,513	2,441	394,629	134,591	44,996
2012	No data	303,214	12,069	4.1	828	26,401	3,640	391,709	151,859	39,715
2013	No data	318,034	14,820	4.9	871	29,994	11,873	381,055	156,437	14,134
2014	No data	258,570	-59,464	-18.7	708	23,613	15,496	354,811	175,163	15,319
2015	No data	271,525	12,955	5	744	22,588	32,824	366,457	164,932	49,099

SOURCE: Asociacion Nacional de la Industria Quimica (ANIQ)
NOTES: *Less than 1
R = Revised from last year's table.

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Table 16: Chlorine Production Methods – United States and Canada
(By % of Total Installed Capacity)

YEAR	CANADA				UNITED STATES			
	Diaphragm Cells	Membrane Cells	Mercury Cells	All Other	Diaphragm Cells	Membrane Cells	Mercury Cells	All Other
1986	80.8	4.0	15.2	-	75.9	2.5	17.1	4.5
1987	80.8	4.0	15.1	-	75.9	2.4	17.2	4.4
1988	80.7	4.0	15.3	-	75.6	4.9	17.4	2.2
1989	80.7	4.0	15.3	-	75.6	4.9	17.3	2.2
1990	80.7	4.0	15.3	-	76.0	5.6	16.25	2.15
1991	81.6	8.2	10.2	-	76.7	6.5	14.6	2.2
1992	84.8	8.7	5.99	-	77.2	6.6	14.0	2.1
1993	85.8	8.6	5.6	-	78.2	6.2	13.7	1.9
1994	82.1	10.9	7.0	-	77.4	7.2	13.3	2.1
1995	83.2	9.9	6.9	-	75.5	9.9	12.8	1.8
1996	85.7	11.6	2.7	-	76.1	9.6	12.6	1.7
1997	85.3	11.9	2.8	-	75.8	9.5	12.1	2.6
1998	75.6	21.8	2.6	-	72.8	12.2	12.4	2.6
1999	76.8	20.6	2.6	-	70.6	15.6	12.0	1.8
2000	76.3	21.2	2.5	-	69.0	18.5	10.75	1.75
2001	76.2	21.2	2.6	-	67.45	19.85	10.35	2.35
2002	77.0	20.4	2.6	-	67.9	20.7	9.4	2.6
2003	79.2	17.7	3.1	-	67.2	21.7	9.0	2.1
2004	79.5	17.4	3.1	-	66.5	21.9	9.5	2.1
2005	80.2	16.7	3.1	-	66.9	22	9	2.1
2006	76.0	20.4	3.6	-	66.4	22.9	8.6	2.1
2007	66.3	28.6	5.1	-	66.5	22.9	8.5	2.1
2008	65.9	29.1	5.1	-	65.8	25.4	6.6	2.2
2009	69.6	30.4	-	-	67.1	26.5	4.2	2.2
2010	69.0	31.0	-	-	66.0	29.1	3.4	1.5
2011	37.5	62.5	-	-	62.5	32.7	3.4	1.4
2012	40.4	59.6	-	-	59.2	35.7	3.2	1.8
2013	39.1	60.9	-	-	58.8	31.1	.8	2.0
2014	39	61	-	-	54.6	42.4	.8	2.0
2015	30	70	-	-	53.7	43.4	.8	1.9
2016	30	70	-	-	50.7	46.4	.8	1.9

SOURCE: 1986: Diaphragm & Membrane production methods are separated.
1990 onward: As of January 1 of year indicated.
R = Revised from last year's table.

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Table 17: Miscellaneous Information

		UNITED STATES	CANADA	MEXICO
A.	CHLORINE PRODUCERS			
	Companies Operating	23 (8 non-members)	5	4
	Plants Operating	44 (10 non-members)	5	7
	Daily Capacity Tons (1/1/16)	43,491 (short)	1,599 (metric)	1,418 (metric)
	Total Daily Capacity Not Operating - Tons	336 (short)	-	-
B.	CHLORINE PACKAGING LOCATIONS			
	Companies	13	2	3
	Plants	50	5	7
C.	CELLS (Operating Plants)			
	Diaphragm Cell Plants	5	-	2
	Membrane Cell Plants	23 (9 non-members)	4	3
	Mercury Cell Plants	1	-	2
	Diaphragm & Mercury Cell Plants	1	-	-
	Diaphragm & Membrane Cell Plants	5	1	-
	Magnesium Cell Plants	2 (one non-member)	-	-
	Sodium Cell Plants	1	-	-
		38	5	7
D.	CONTAINERS FILLED AT PRODUCER PLANTS	Plants	Plants	Plants
	Tank Cars	25	4	5
	Barges	4	0	0
E.	SODIUM HYPOCHLORITE PRODUCTION FACILITIES	98	11	12

Table 18: Changes - Previous 12 Months – July 2015 thru July 2016

New Plants, Expansions, and Modernizations & Name Changes

LOCATION	COMPANY	DETAILS	DATE
PRODUCERS			
Baytown, TX	Covestro LLC	Bayer Corporation's chlorine business is now Covestro LLC	2015
Clayton, MO	Olin Corporation	Olin Corporation completed a merger with the Dow Chemical Company's chlorine products businesses	2015
Henderson, NV	Olin Corporation	Chlor alkali production at this plant ceased on March 31, 2016.	2016

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Table 19: United States Chlorine and Sodium Hydroxide** Production Statistics
(based on data generated by The Chlorine Institute)

YEAR	CHLORINE PRODUCTION (Short Tons)	LIQUIFIED CHLORINE (Short Tons)	LIQUID**** SHIPPED (Short Tons)	LIQUID* SODIUM HYDROXIDE** (Short Tons 100% basis)	DRY SODIUM HYDROXIDE
1980	11,466,069	6,908,706	5,421,340	11,627,210	418,178
1981	10,758,719	6,713,448	5,376,218	10,942,617	379,250
1982	9,170,787	5,758,565	4,725,991	9,284,850	283,440
1983	9,977,108	8,461,710	4,788,345	10,249,910	309,551
1984	10,678,654	9,198,210	5,144,609	11,235,352	301,093
1985	10,438,805	8,773,258	5,131,554	10,939,188	253,282
1986	10,488,664	8,987,002	5,417,452	11,006,709	222,531
1987	11,092,489	9,355,604	5,400,941	11,648,957	255,373
1988	11,598,533	9,989,451	5,659,502	12,263,237	252,229
1989	11,908,810	10,996,988	5,919,921	12,506,814	227,755
1990	11,846,882	9,703,135	5,723,629	12,409,753	297,960
1991	11,489,896	9,340,125	5,705,044	12,151,285	266,137
1992	11,656,382	9,563,628	5,708,911	12,333,581	200,013
1993	11,983,420	9,787,271	5,480,082	12,623,021	195,894
1994	12,612,760	9,879,003	5,497,835	13,292,884	197,748
1995	12,990,066	10,029,485	5,882,112	13,688,400	173,925
1996	13,168,384	10,179,100	6,683,655	13,856,531	183,062
1997	13,685,360	11,178,307	6,512,733	14,327,592	181,792
1998	13,532,559	11,079,711	5,768,820	14,182,662	163,019
1999	13,807,739	11,154,109	5,650,178	14,588,475	144,475
2000	14,057,698	11,320,929	5,289,723	14,875,682	148,722
2001	12,604,865	10,418,368	4,700,043	13,362,028	137,784
2002	12,666,629	10,338,309	4,272,147	13,413,955	129,769
2003	12,367,189	10,143,016	4,171,203	13,076,735	125,248
2004	13,232,167	11,019,993	4,558,137	14,001,521	***
2005	12,234,007	10,253,887	4,442,465	12,950,633	***
2006	12,320,481	10,409,863	3,864,490	12,959,526	***
2007	12,708,359	10,942,441	3,269,483	13,374,487	***
2008	11,534,975	9,723,285	2,873,322	12,060,962	***
2009	10,252,744	8,340,860	2,437,094	10,810,655	***
2010	11,597,895	9,576,468	2,806,102	12,193,332	***
2011	11,571,394	9,438,578	2,684,693	12,141,195	***
2012	11,440,874	9,103,339	2,073,084	11,956,169	***
2013	11,362,910	9,068,386	1,905,472	11,833,604	***
2014	11,880,208	9,701,626	1,950,311	12,480,086	***
2015	12,027,756	9,751,127	1,809,119	12,457,142	***

R - Revised from last year's report

* Includes dry sodium hydroxide

** Electrolytically produced only

*** Production data on dry caustic will no longer be available because the number of producers is too limited.

**** Liquid shipped during month by railcar/barge/tank truck (pipeline not included)

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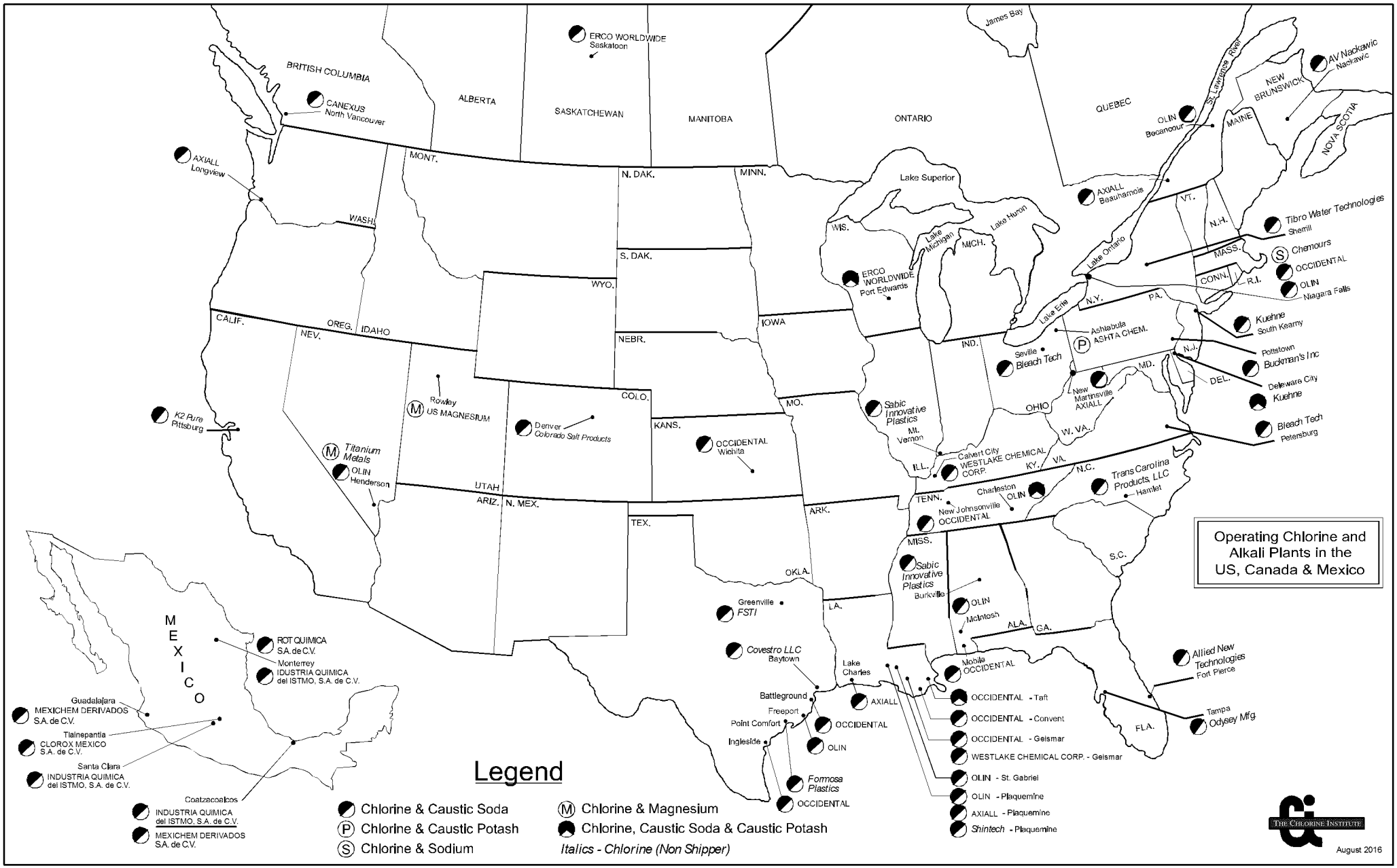
Operating Chlorine and Alkali Plants in the US, Canada & Mexico
BRITISH COLUMBIA
ALBERTA
SASKATCHEWAN
MANITOBA
ONTARIO
QUEBEC
NEW BRUNSWICK
NOVA SCOTIA
MAINE
VT.
N.H.
MASS.
CONN.
R.I.
N.Y.
PA.
N.J.
DEL.
MD.
W. VA.
VA.
N.C.
S.C.
KY.
TENN.
GA.
ALA.
MISS.
LA.
ARK.
MO.
IOWA
WIS.
MICH.
IND.
OHIO
ILL.
MINN.
N. DAK.
S. DAK.
NEBR.
KANS.
OKLA.
TEX.
COLO.
WYO.
MONT.
IDAHO
UTAH
ARIZ.
N. MEX.
NEV.
CALIF.
OREG.
WASH.
FLA.
Lake Superior
Lake Huron
Lake Michigan
Lake Ontario
Lake Erie
James Bay
St. Lawrence River
MEXICO
ERCO WORLDWIDE Saskatoon
CANEXUS North Vancouver
AXIALL Longview
ERCO WORLDWIDE Port Edwards
AXIALL Beauharnois
OLIN Becancour
AV Nackawic Nackawic
Tibro Water Technologies Sherrill
Chemours
OCCIDENTAL
OLIN Niagara Falls
Kuehne South Kearny
Pottstown Buckman's Inc
Delaware City Kuehne
Bleach Tech Petersburg
Ashtabula ASHTA CHEM.
Seville Bleach Tech
New Martinsville AXIALL
Sabic Innovative Plastics Mt. Vernon
Calvert City WESTLAKE CHEMICAL CORP.
Charleston OLIN
Trans Carolina Products, LLC Hamlet
New Johnsonville OCCIDENTAL
Sabic Innovative Plastics Burkville
OLIN McIntosh
Mobile OCCIDENTAL
Allied New Technologies Fort Pierce
Tampa Odysey Mfg.
Rowley US MAGNESIUM
Denver Colorado Salt Products
OCCIDENTAL Wichita
K2 Pure Pittsburg
Titanium Metals
OLIN Henderson
Greenville FSTI
Covestro LLC Baytown
Lake Charles
AXIALL
Battleground
Freeport
Point Comfort
Ingleside
OCCIDENTAL
OLIN
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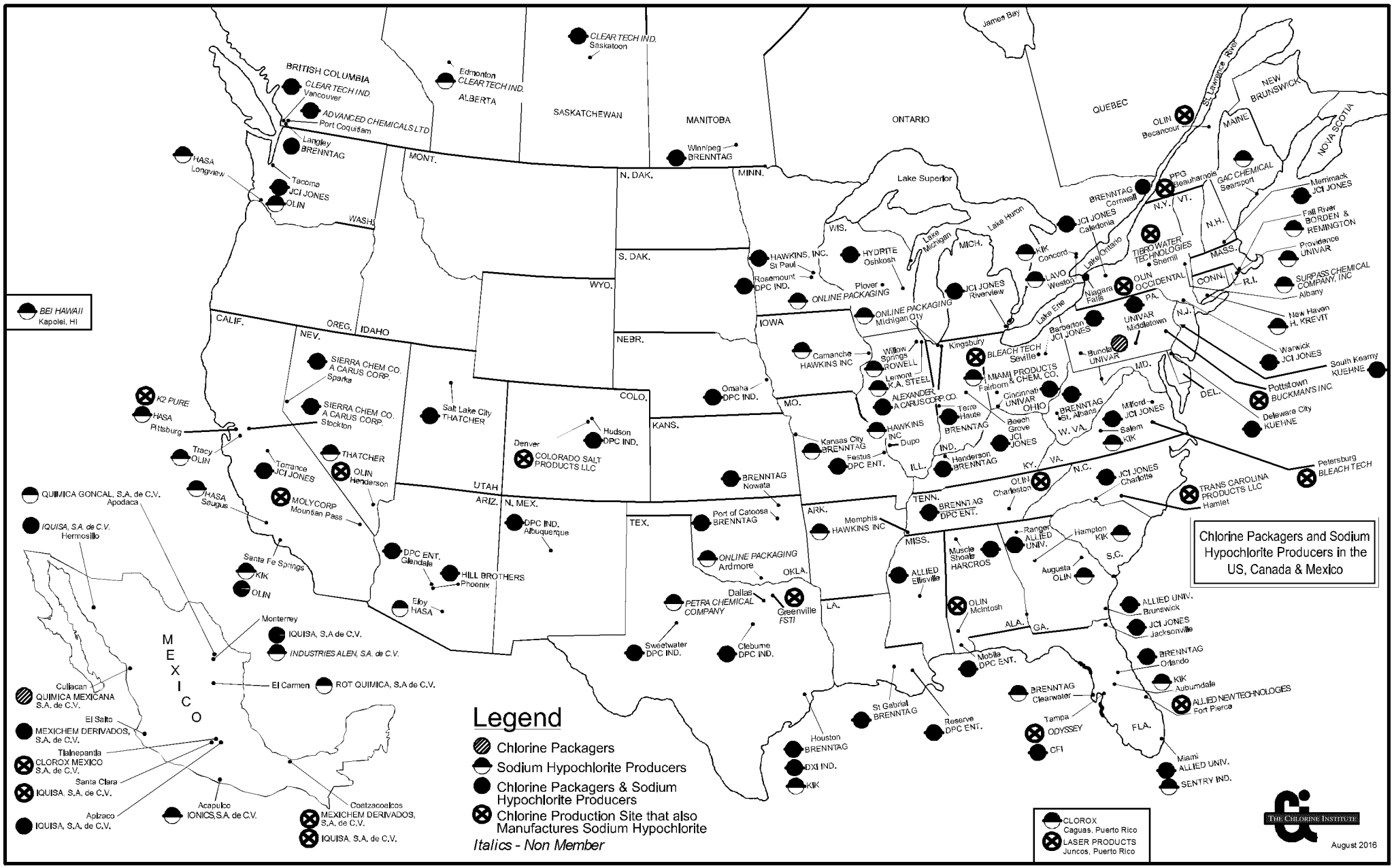
OCCIDENTAL
OCCIDENTAL - Taft
OCCIDENTAL - Convent
OCCIDENTAL - Geismar
WESTLAKE CHEMICAL CORP. - Geismar
OLIN - St. Gabriel
OLIN - Plaquemine
AXIALL - Plaquemine
Shintech - Plaquemine
ROT QUIMICA S.A. de C.V.
Monterrey INDUSTRIA QUIMICA del ISTMO, S.A. de C.V.
Guadalajara MEXICHEM DERIVADOS S.A. de C.V.
Tlalnepantla CLOROX MEXICO S.A. de C.V.
Santa Clara INDUSTRIA QUIMICA del ISTMO, S.A. de C.V.
Coatzacoalcos INDUSTRIA QUIMICA del ISTMO, S.A. de C.V.
MEXICHEM DERIVADOS S.A. de C.V.
Legend
Chlorine & Caustic Soda
Chlorine & Caustic Potash
Chlorine & Sodium
Chlorine & Magnesium
Chlorine, Caustic Soda & Caustic Potash
Italics - Chlorine (Non Shipper)
THE CHLORINE INSTITUTE
August 2016


Chlorine Packagers and Sodium Hypochlorite Producers in the US, Canada & Mexico
Legend
Chlorine Packagers
Sodium Hypochlorite Producers
Chlorine Packagers & Sodium Hypochlorite Producers
Chlorine Production Site that also Manufactures Sodium Hypochlorite
Italics - Non Member
BEI HAWAII Kapolei, HI
CLOROX Caguas, Puerto Rico
LASER PRODUCTS Juncos, Puerto Rico
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MAINE
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St. Lawrence River
Lake Superior
Lake Huron
Lake Michigan
Lake Ontario
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S. DAK.
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VT.
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R.I.
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DEL.
MD.
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Edmonton CLEAR TECH IND.
CLEAR TECH IND. Vancouver
ADVANCED CHEMICALS LTD. Port Coquitlam
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HASA Longview
Tacoma JCI JONES
OLIN
Winnipeg BRENNTAG
HAWKINS, INC. St Paul
Rosemount DPC IND.
HYDRITE Oshkosh
Plover
ONLINE PACKAGING
ONLINE PACKAGING Michigan City
JCI JONES Riverview
KIK Concord
LAVO Weston
JCI JONES Caledonia
BRENNTAG Cornwall
PPG Beauharnois
OLIN Becancour
GAC CHEMICAL Searsport
Merrimack JCI JONES
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Providence UNIVAR
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Warwick JCI JONES
South Kearny KUEHNE
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Kingsbury
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MIAMI PRODUCTS & CHEM. CO. Fairborn
Cincinnati UNIVAR
BRENNTAG St. Albans
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Camanche HAWKINS INC
Willow Springs ROWELL
Lemont K.A. STEEL
ALEXANDER A CARUS CORP. CO.
HAWKINS INC Dupo
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Festus DPC ENT.
Kansas City BRENNTAG
Omaha DPC IND.
Hudson DPC IND.
Denver COLORADO SALT PRODUCTS LLC
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SIERRA CHEM CO. A CARUS CORP. Sparks
SIERRA CHEM CO. A CARUS CORP. Stockton
K2 PURE
HASA Pittsburg
Tracy OLIN
Torrance JCI JONES
THATCHER
OLIN Henderson
MOLYCORP Mountain Pass
HASA Saugus
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IQUISA, S.A. de C.V. Hermosillo
Santa Fe Springs KIK
OLIN
DPC ENT. Glendale
HILL BROTHERS Phoenix
Eloy HASA
DPC IND. Albuquerque
BRENNTAG Nowata
Port of Catoosa BRENNTAG
ONLINE PACKAGING Ardmore
PETRA CHEMICAL COMPANY
Dallas
Greenville FSTI
Sweetwater DPC IND.
Clebume DPC IND.
Memphis HAWKINS INC
BRENNTAG DPC ENT.
OLIN Charleston
JCI JONES Charlotte
TRANS CAROLINA PRODUCTS LLC Hamlet
Ranger ALLIED UNIV.
Hampton KIK
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BRENNTAG Orlando
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ALLIED NEW TECHNOLOGIES Fort Pierce
Miami ALLIED UNIV.
SENTRY IND.
BRENNTAG Clearwater
Tampa ODYSSEY
CFI
St Gabriel BRENNTAG
Reserve DPC ENT.
Houston BRENNTAG
DXI IND.
KIK
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IQUISA, S.A de C.V.
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El Salto MEXICHEM DERIVADOS, S.A. de C.V.
Tlalnepantla CLOROX MEXICO S.A. de C.V.
Santa Clara IQUISA, S.A. de C.V.
Apizaco IQUISA, S.A. de C.V.
Acapulco IONICS, S.A. de C.V.
Coatzacoalcos MEXICHEM DERIVADOS, S.A. de C.V.
IQUISA, S.A. de C.V.

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