

Chlor-Alkali Market by Type (Caustic Soda (Alumina, Chemicals, Textiles, Soaps & Detergents), Chlorine (EDC/PVC, Isocyanates, Propylene Oxide, C1/C2 Aromatics), Soda Ash (Glass, Water Treatment, Metallurgy, Pulp & Paper)), Region - Global Forecast to 2026

<https://marketpublishers.com/r/CE69749534CEN.html>

Date: September 2021

Pages: 414

Price: US\$ 4,950.00 (Single User License)

ID: CE69749534CEN

Abstracts

The global Chlor-Alkali market size is estimated to be USD 63.2 billion in 2021 and is projected to reach USD 77.4 billion by 2026, at a CAGR of 4.1% between 2021 and 2026. The chlor-alkali industry is one of the largest chemical industries, in terms of value and volume. The major chlor-alkali products are chlorine, caustic soda, and soda ash. The main technologies employed in the chlor-alkali process are membrane cell, diaphragm cell, and mercury cell for the production of chlorine and caustic soda. Chlorine and caustic soda are produced by the electrolysis of the aqueous solution of sodium chloride (common salt or NaCl). Soda ash is produced by the extraction and refining of trona ore (natural) and also through the Solvay process (synthetic). The chlor-alkali process is energy intensive. The electricity required for the electrolysis amounts to 40-50% of costs of production. The applications of chlor-alkali products are highly diverse in nature and are employed in various end-use industries. Steady Growth of Chemical industry across the globe and growing demand for water & wastewater treatment expects to drive the market during the forecast period. Growth from emerging countries and steady recovery of automotive sector are opportunities in chlor-alkali market.

“EDC/PVC application is projected to be the largest application segment for Chlorine in Chlor-Alkali market”

The EDC/PVC is the largest segment by applications for the Chlorine in Chlor-alkali market. Ethylene dichloride (EDC) is produced by the catalyzed chlorination of ethylene in the presence of ferric chloride (FeCl_3) as the catalyst. Vinyl chloride monomer, along with anhydrous hydrochloric acid, is produced by the decomposition of ethylene dichloride at high temperatures. This vinyl chloride monomer is fed into polymerization reactors, wherein the polymerization reaction takes place to provide polyvinyl chloride (PVC). The PVC industry finds major applications in the construction, electronics, healthcare, automotive, packaging, and other end-use industries. Its low cost and desirable physical & mechanical properties make it a suitable material for various applications. Growth in PVC industry further expects to drive the demand for chlorine in chlor-alkali market

“Alumina is projected to be the largest application segment for Caustic Soda in Chlor-Alkali market”

The alumina is the largest application segment for the Caustic Soda in Chlor-alkali market. Caustic soda is used in the process for the extraction of aluminum from bauxite ore. It dissolves the bauxite ore which is the raw material in the production of aluminum. In this process, pure alumina is separated from the bauxite ore. The alumina collected is further subjected to calcination. APAC dominates the market, followed by North America and Europe. The demand for caustic soda is projected to be driven by the shifting base of industrial production to the APAC, the increasing population, and the rising demand for infrastructure.

“Glass is projected to be the largest application segment for Soda Ash in Chlor-Alkali market”

The glass is the largest segment by applications for the Soda Ash in Chlor-alkali market. Soda ash is an essential component in the manufacture of glass. Glass is produced by melting silica soda ash (approximately 15% of the total weight of the glass) and calcium compounds along with coloring agents and metallic oxides. It is utilized in production of various types of glass such as flat glass (including sheet glass, float glass, figured & wired glass, safety glass, and mirror), glass hollow wares & containers, vacuum flasks, laboratory glassware, and fiber glass. Glass products are widely used in the construction, automotive, packaging, household, laboratory, and other industrial applications. APAC is projected to drive the demand for soda ash in the glass application due to the high demand from emerging economies where the construction and automotive sectors are growing.

“APAC accounts for the largest share in Chlor-Alkali market by region”

APAC was the largest Chlor-Alkali market in 2020. Increasing investments in infrastructure development projects, growing urbanization, rapid industrialization, improving standard of living, and thriving automotive sector, as well as high economic growth, are the key factors for the region's overall growth. The strengthening economy of countries such as China and India attract new investments from global manufacturers. The APAC chlor-alkali market is expected to see a rising demand from the chemical, water treatment, PVC, glass, metallurgy, and soap & detergents, among other sectors. Chlor-Alkali manufacturer in the APAC region include Tata Chemicals Limited (India), Formosa Plastics Corporation (Taiwan), Tosoh Corporation (Japan), Hanwha Solutions Corporation (South Korea), Nirma Limited (India), AGC, Inc. (Japan), Xinjiang Zhongtai Chemical Co. Ltd. (China), and others.

Extensive primary interviews were conducted to determine and verify the market size for several segments and sub segments and information gathered through secondary research.

The break-up of primary interviews is given below:

By Company Type - Tier 1 – 52%, Tier 2 – 26%, and Tier 3 – 22%

By Designation – C level – 48%, Director level – 23%, and Others* – 29%

By Region – North America– 21%, Europe – 25%, APAC – 44%, and Others**-10%

Notes: *Others include sales, marketing, and product managers.

** Other regions include South America and the Middle East & Africa

Tier 1: >USD 5 Billion; Tier 2: USD 1 Billion– USD 5 Billion; and Tier 3:

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7.4.2 FRANCE

7.4.2.1 Growth in the plastics industry to fuel the demand for chlor-alkali products

TABLE 370 FRANCE: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2016–2018 (KILOTON)

TABLE 371 FRANCE: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2016–2018 (USD MILLION)

TABLE 372 FRANCE: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2019–2026 (KILOTON)

TABLE 373 FRANCE: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2019–2026 (USD MILLION)

TABLE 374 FRANCE: CHLORINE MARKET SIZE, BY APPLICATION, 2016–2018 (KILOTON)

TABLE 375 FRANCE: CHLORINE MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 376 FRANCE: CHLORINE MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

TABLE 377 FRANCE: CHLORINE MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 378 FRANCE: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2016–2018 (KILOTON)

TABLE 379 FRANCE: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 380 FRANCE: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2019–2026

(KILOTON)

TABLE 381 FRANCE: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2019–2026
(USD MILLION)

TABLE 382 FRANCE: SODA ASH MARKET SIZE, BY APPLICATION, 2016–2018
(KILOTON)

TABLE 383 FRANCE: SODA ASH MARKET SIZE, BY APPLICATION, 2016–2018
(USD MILLION)

TABLE 384 FRANCE: SODA ASH MARKET SIZE, BY APPLICATION, 2019–2026
(KILOTON)

TABLE 385 FRANCE: SODA ASH MARKET SIZE, BY APPLICATION, 2019–2026
(USD MILLION)

7.4.3 UK

7.4.3.1 Steady increase in construction and chemical sectors to fuel demand for chlor-alkali products

TABLE 386 UK: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2016–2018 (KILOTON)

TABLE 387 UK: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2016–2018 (USD
MILLION)

TABLE 388 UK: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2019–2026 (KILOTON)

TABLE 389 UK: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2019–2026 (USD
MILLION)

TABLE 390 UK: CHLORINE MARKET SIZE, BY APPLICATION, 2016–2018
(KILOTON)

TABLE 391 UK: CHLORINE MARKET SIZE, BY APPLICATION, 2016–2018 (USD
MILLION)

TABLE 392 UK: CHLORINE MARKET SIZE, BY APPLICATION, 2019–2026
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TABLE 393 UK: CHLORINE MARKET SIZE, BY APPLICATION, 2019–2026 (USD
MILLION)

TABLE 394 UK: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2016–2018
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TABLE 395 UK: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2016–2018 (USD
MILLION)

TABLE 396 UK: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2019–2026
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TABLE 397 UK: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2019–2026 (USD
MILLION)

TABLE 398 UK: SODA ASH MARKET SIZE, BY APPLICATION, 2016–2018
(KILOTON)

TABLE 399 UK: SODA ASH MARKET SIZE, BY APPLICATION, 2016–2018 (USD

MILLION)

TABLE 400 UK: SODA ASH MARKET SIZE, BY APPLICATION, 2019–2026

(KILOTON)

TABLE 401 UK: SODA ASH MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

7.4.4 RUSSIA

7.4.4.1 Steady development in pulp & paper sector to support chlor-alkali market growth

TABLE 402 RUSSIA: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2016–2018

(KILOTON)

TABLE 403 RUSSIA: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2016–2018 (USD MILLION)

TABLE 404 RUSSIA: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2019–2026

(KILOTON)

TABLE 405 RUSSIA: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2019–2026 (USD MILLION)

TABLE 406 RUSSIA: CHLORINE MARKET SIZE, BY APPLICATION, 2016–2018

(KILOTON)

TABLE 407 RUSSIA: CHLORINE MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 408 RUSSIA: CHLORINE MARKET SIZE, BY APPLICATION, 2019–2026

(KILOTON)

TABLE 409 RUSSIA: CHLORINE MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 410 RUSSIA: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2016–2018

(KILOTON)

TABLE 411 RUSSIA: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 412 RUSSIA: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

TABLE 413 RUSSIA: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 414 RUSSIA: SODA ASH MARKET SIZE, BY APPLICATION, 2016–2018

(KILOTON)

TABLE 415 RUSSIA: SODA ASH MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 416 RUSSIA: SODA ASH MARKET SIZE, BY APPLICATION, 2019–2026

(KILOTON)

TABLE 417 RUSSIA: SODA ASH MARKET SIZE, BY APPLICATION, 2019–2026 (USD

MILLION)

7.4.5 REST OF EUROPE

TABLE 418 REST OF EUROPE: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2016–2018 (KILOTON)

TABLE 419 REST OF EUROPE: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2016–2018 (USD MILLION)

TABLE 420 REST OF EUROPE: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2019–2026 (KILOTON)

TABLE 421 REST OF EUROPE: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2019–2026 (USD MILLION)

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TABLE 423 REST OF EUROPE: CHLORINE MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 424 REST OF EUROPE: CHLORINE MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

TABLE 425 REST OF EUROPE: CHLORINE MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 426 REST OF EUROPE: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2016–2018 (KILOTON)

TABLE 427 REST OF EUROPE: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 428 REST OF EUROPE: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

TABLE 429 REST OF EUROPE: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 430 REST OF EUROPE: SODA ASH MARKET SIZE, BY APPLICATION, 2016–2018 (KILOTON)

TABLE 431 REST OF EUROPE: SODA ASH MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 432 REST OF EUROPE: SODA ASH MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

TABLE 433 REST OF EUROPE: SODA ASH MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

7.5 MIDDLE EAST & AFRICA

TABLE 434 MIDDLE EAST & AFRICA: CHLOR-ALKALI MARKET SIZE, BY COUNTRY, 2016–2018 (KILOTON)

TABLE 435 MIDDLE EAST & AFRICA: CHLOR-ALKALI MARKET SIZE, BY COUNTRY, 2016–2018 (USD MILLION)

TABLE 436 MIDDLE EAST & AFRICA: CHLOR-ALKALI MARKET SIZE, BY COUNTRY, 2019–2026 (KILOTON)

TABLE 437 MIDDLE EAST & AFRICA: CHLOR-ALKALI MARKET SIZE, BY COUNTRY, 2019–2026 (USD MILLION)

TABLE 438 MIDDLE EAST & AFRICA: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2016–2018 (KILOTON)

TABLE 439 MIDDLE EAST & AFRICA: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2016–2018 (USD MILLION)

TABLE 440 MIDDLE EAST & AFRICA: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2019–2026 (KILOTON)

TABLE 441 MIDDLE EAST & AFRICA: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2019–2026 (USD MILLION)

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TABLE 443 MIDDLE EAST & AFRICA: CHLORINE MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 444 MIDDLE EAST & AFRICA: CHLORINE MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

TABLE 445 MIDDLE EAST & AFRICA: CHLORINE MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 446 MIDDLE EAST & AFRICA: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2016–2018 (KILOTON)

TABLE 447 MIDDLE EAST & AFRICA: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 448 MIDDLE EAST & AFRICA: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

TABLE 449 MIDDLE EAST & AFRICA: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 450 MIDDLE EAST & AFRICA: SODA ASH MARKET SIZE, BY APPLICATION, 2016–2018 (KILOTON)

TABLE 451 MIDDLE EAST & AFRICA: SODA ASH MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 452 MIDDLE EAST & AFRICA: SODA ASH MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

TABLE 453 MIDDLE EAST & AFRICA: SODA ASH MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

7.5.1 SAUDI ARABIA

7.5.1.1 Growing investment in the expansion of desalination capacity and building & construction industry supports the market growth

TABLE 454 SAUDI ARABIA: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2016–2018 (KILOTON)

TABLE 455 SAUDI ARABIA: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2016–2018 (USD MILLION)

TABLE 456 SAUDI ARABIA: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2019–2026 (KILOTON)

TABLE 457 SAUDI ARABIA: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2019–2026 (USD MILLION)

TABLE 458 SAUDI ARABIA: CHLORINE MARKET SIZE, BY APPLICATION, 2016–2018 (KILOTON)

TABLE 459 SAUDI ARABIA: CHLORINE MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 460 SAUDI ARABIA: CHLORINE MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

TABLE 461 SAUDI ARABIA: CHLORINE MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 462 SAUDI ARABIA: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2016–2018 (KILOTON)

TABLE 463 SAUDI ARABIA: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 464 SAUDI ARABIA: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

TABLE 465 SAUDI ARABIA: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 466 SAUDI ARABIA: SODA ASH MARKET SIZE, BY APPLICATION, 2016–2018 (KILOTON)

TABLE 467 SAUDI ARABIA: SODA ASH MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 468 SAUDI ARABIA: SODA ASH MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

TABLE 469 SAUDI ARABIA: SODA ASH MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

7.5.2 UAE

7.5.2.1 Steady recovery of several end-use industries from COVID-19 impact to support market growth

TABLE 470 UAE: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2016–2018 (KILOTON)

TABLE 471 UAE: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2016–2018 (USD MILLION)

TABLE 472 UAE: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2019–2026 (KILOTON)

TABLE 473 UAE: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2019–2026 (USD MILLION)

TABLE 474 UAE: CHLORINE MARKET SIZE, BY APPLICATION, 2016–2018 (KILOTON)

TABLE 475 UAE: CHLORINE MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 476 UAE: CHLORINE MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

TABLE 477 UAE: CHLORINE MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 478 UAE: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2016–2018 (KILOTON)

TABLE 479 UAE: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 480 UAE: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

TABLE 481 UAE: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 482 UAE: SODA ASH MARKET SIZE, BY APPLICATION, 2016–2018 (KILOTON)

TABLE 483 UAE: SODA ASH MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 484 UAE: SODA ASH MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

TABLE 485 UAE: SODA ASH MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

7.5.3 SOUTH AFRICA

7.5.3.1 Growth in the end-use industries such as chemicals and automotive to drive the market

TABLE 486 SOUTH AFRICA: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2016–2018 (KILOTON)

TABLE 487 SOUTH AFRICA: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2016–2018 (USD MILLION)

TABLE 488 SOUTH AFRICA: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2019–2026 (KILOTON)

TABLE 489 SOUTH AFRICA: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2019–2026 (USD MILLION)

TABLE 490 SOUTH AFRICA: CHLORINE MARKET SIZE, BY APPLICATION, 2016–2018 (KILOTON)

TABLE 491 SOUTH AFRICA: CHLORINE MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 492 SOUTH AFRICA: CHLORINE MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

TABLE 493 SOUTH AFRICA: CHLORINE MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 494 SOUTH AFRICA: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2016–2018 (KILOTON)

TABLE 495 SOUTH AFRICA: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 496 SOUTH AFRICA: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

TABLE 497 SOUTH AFRICA: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 498 SOUTH AFRICA: SODA ASH MARKET SIZE, BY APPLICATION, 2016–2018 (KILOTON)

TABLE 499 SOUTH AFRICA: SODA ASH MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 500 SOUTH AFRICA: SODA ASH MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

TABLE 501 SOUTH AFRICA: SODA ASH MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

7.5.4 NIGERIA

7.5.4.1 Paper & packaging, chemical, and automotive industries to drive the market

TABLE 502 NIGERIA: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2016–2018 (KILOTON)

TABLE 503 NIGERIA: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2016–2018 (USD MILLION)

TABLE 504 NIGERIA: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2019–2026 (KILOTON)

TABLE 505 NIGERIA: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2019–2026 (USD MILLION)

TABLE 506 NIGERIA: CHLORINE MARKET SIZE, BY APPLICATION, 2016–2018 (KILOTON)

TABLE 507 NIGERIA: CHLORINE MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 508 NIGERIA: CHLORINE MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

TABLE 509 NIGERIA: CHLORINE MARKET SIZE, BY APPLICATION, 2019–2026

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TABLE 510 NIGERIA: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2016–2018
(KILOTON)

TABLE 511 NIGERIA: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2016–2018
(USD MILLION)

TABLE 512 NIGERIA: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2019–2026
(KILOTON)

TABLE 513 NIGERIA: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2019–2026
(USD MILLION)

TABLE 514 NIGERIA: SODA ASH MARKET SIZE, BY APPLICATION, 2016–2018
(KILOTON)

TABLE 515 NIGERIA: SODA ASH MARKET SIZE, BY APPLICATION, 2016–2018
(USD MILLION)

TABLE 516 NIGERIA: SODA ASH MARKET SIZE, BY APPLICATION, 2019–2026
(KILOTON)

TABLE 517 NIGERIA: SODA ASH MARKET SIZE, BY APPLICATION, 2019–2026
(USD MILLION)

7.5.5 REST OF MIDDLE EAST & AFRICA

TABLE 518 REST OF MIDDLE EAST & AFRICA: CHLOR-ALKALI MARKET SIZE, BY
TYPE, 2016–2018 (KILOTON)

TABLE 519 REST OF MIDDLE EAST & AFRICA: CHLOR-ALKALI MARKET SIZE, BY
TYPE, 2016–2018 (USD MILLION)

TABLE 520 REST OF MIDDLE EAST & AFRICA: CHLOR-ALKALI MARKET SIZE, BY
TYPE, 2019–2026 (KILOTON)

TABLE 521 REST OF MIDDLE EAST & AFRICA: CHLOR-ALKALI MARKET SIZE, BY
TYPE, 2019–2026 (USD MILLION)

TABLE 522 REST OF MIDDLE EAST & AFRICA: CHLORINE MARKET SIZE, BY
APPLICATION, 2016–2018 (KILOTON)

TABLE 523 REST OF MIDDLE EAST & AFRICA: CHLORINE MARKET SIZE, BY
APPLICATION, 2016–2018 (USD MILLION)

TABLE 524 REST OF MIDDLE EAST & AFRICA: CHLORINE MARKET SIZE, BY
APPLICATION, 2019–2026 (KILOTON)

TABLE 525 REST OF MIDDLE EAST & AFRICA: CHLORINE MARKET SIZE, BY
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TABLE 526 REST OF MIDDLE EAST & AFRICA: CAUSTIC SODA MARKET SIZE, BY
APPLICATION, 2016–2018 (KILOTON)

TABLE 527 REST OF MIDDLE EAST & AFRICA: CAUSTIC SODA MARKET SIZE, BY
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TABLE 528 REST OF MIDDLE EAST & AFRICA: CAUSTIC SODA MARKET SIZE, BY

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TABLE 529 REST OF MIDDLE EAST & AFRICA: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 530 REST OF MIDDLE EAST & AFRICA: SODA ASH MARKET SIZE, BY APPLICATION, 2016–2018 (KILOTON)

TABLE 531 REST OF MIDDLE EAST & AFRICA: SODA ASH MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 532 REST OF MIDDLE EAST & AFRICA: SODA ASH MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

TABLE 533 REST OF MIDDLE EAST & AFRICA: SODA ASH MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

7.6 SOUTH AMERICA

TABLE 534 SOUTH AMERICA: CHLOR-ALKALI MARKET SIZE, BY COUNTRY, 2016–2018 (KILOTON)

TABLE 535 SOUTH AMERICA: CHLOR-ALKALI MARKET SIZE, BY COUNTRY, 2016–2018 (USD MILLION)

TABLE 536 SOUTH AMERICA: CHLOR-ALKALI MARKET SIZE, BY COUNTRY, 2019–2026 (KILOTON)

TABLE 537 SOUTH AMERICA: CHLOR-ALKALI MARKET SIZE, BY COUNTRY, 2019–2026 (USD MILLION)

TABLE 538 SOUTH AMERICA: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2016–2018 (KILOTON)

TABLE 539 SOUTH AMERICA: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2016–2018 (USD MILLION)

TABLE 540 SOUTH AMERICA: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2019–2026 (KILOTON)

TABLE 541 SOUTH AMERICA: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2019–2026 (USD MILLION)

TABLE 542 SOUTH AMERICA: CHLORINE MARKET SIZE, BY APPLICATION, 2016–2018 (KILOTON)

TABLE 543 SOUTH AMERICA: CHLORINE MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 544 SOUTH AMERICA: CHLORINE MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

TABLE 545 SOUTH AMERICA: CHLORINE MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 546 SOUTH AMERICA: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2016–2018 (KILOTON)

TABLE 547 SOUTH AMERICA: CAUSTIC SODA MARKET SIZE, BY APPLICATION,

2016–2018 (USD MILLION)

TABLE 548 SOUTH AMERICA: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

TABLE 549 SOUTH AMERICA: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 550 SOUTH AMERICA: SODA ASH MARKET SIZE, BY APPLICATION, 2016–2018 (KILOTON)

TABLE 551 SOUTH AMERICA: SODA ASH MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 552 SOUTH AMERICA: SODA ASH MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

TABLE 553 SOUTH AMERICA: SODA ASH MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

7.6.1 BRAZIL

7.6.1.1 Paper & packaging and construction industries to fuel the market

TABLE 554 BRAZIL: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2016–2018 (KILOTON)

TABLE 555 BRAZIL: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2016–2018 (USD MILLION)

TABLE 556 BRAZIL: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2019–2026 (KILOTON)

TABLE 557 BRAZIL: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2019–2026 (USD MILLION)

TABLE 558 BRAZIL: CHLORINE MARKET SIZE, BY APPLICATION, 2016–2018 (KILOTON)

TABLE 559 BRAZIL: CHLORINE MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 560 BRAZIL: CHLORINE MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

TABLE 561 BRAZIL: CHLORINE MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 562 BRAZIL: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2016–2018 (KILOTON)

TABLE 563 BRAZIL: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 564 BRAZIL: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

TABLE 565 BRAZIL: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 566 BRAZIL: SODA ASH MARKET SIZE, BY APPLICATION, 2016–2018 (KILOTON)

TABLE 567 BRAZIL: SODA ASH MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 568 BRAZIL: SODA ASH MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

TABLE 569 BRAZIL: SODA ASH MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

7.6.2 ARGENTINA

7.6.2.1 Improved economic conditions and expected recovery of manufacturing sector to drive the market

TABLE 570 ARGENTINA: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2016–2018 (KILOTON)

TABLE 571 ARGENTINA: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2016–2018 (USD MILLION)

TABLE 572 ARGENTINA: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2019–2026 (KILOTON)

TABLE 573 ARGENTINA: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2019–2026 (USD MILLION)

TABLE 574 ARGENTINA: CHLORINE MARKET SIZE, BY APPLICATION, 2016–2018 (KILOTON)

TABLE 575 ARGENTINA: CHLORINE MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 576 ARGENTINA: CHLORINE MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

TABLE 577 ARGENTINA: CHLORINE MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 578 ARGENTINA: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2016–2018 (KILOTON)

TABLE 579 ARGENTINA: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 580 ARGENTINA: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

TABLE 581 ARGENTINA: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 582 ARGENTINA: SODA ASH MARKET SIZE, BY APPLICATION, 2016–2018 (KILOTON)

TABLE 583 ARGENTINA: SODA ASH MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 584 ARGENTINA: SODA ASH MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

TABLE 585 ARGENTINA: SODA ASH MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

7.6.3 REST OF SOUTH AMERICA

TABLE 586 REST OF SOUTH AMERICA: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2016–2018 (KILOTON)

TABLE 587 REST OF SOUTH AMERICA: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2016–2018 (USD MILLION)

TABLE 588 REST OF SOUTH AMERICA: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2019–2026 (KILOTON)

TABLE 589 REST OF SOUTH AMERICA: CHLOR-ALKALI MARKET SIZE, BY TYPE, 2019–2026 (USD MILLION)

TABLE 590 REST OF SOUTH AMERICA: CHLORINE MARKET SIZE, BY APPLICATION, 2016–2018 (KILOTON)

TABLE 591 REST OF SOUTH AMERICA: CHLORINE MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 592 REST OF SOUTH AMERICA: CHLORINE MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

TABLE 593 REST OF SOUTH AMERICA: CHLORINE MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 594 REST OF SOUTH AMERICA: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2016–2018 (KILOTON)

TABLE 595 REST OF SOUTH AMERICA: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 596 REST OF SOUTH AMERICA: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

TABLE 597 REST OF SOUTH AMERICA: CAUSTIC SODA MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

TABLE 598 REST OF SOUTH AMERICA: SODA ASH MARKET SIZE, BY APPLICATION, 2016–2018 (KILOTON)

TABLE 599 REST OF SOUTH AMERICA: SODA ASH MARKET SIZE, BY APPLICATION, 2016–2018 (USD MILLION)

TABLE 600 REST OF SOUTH AMERICA: SODA ASH MARKET SIZE, BY APPLICATION, 2019–2026 (KILOTON)

TABLE 601 REST OF SOUTH AMERICA: SODA ASH MARKET SIZE, BY APPLICATION, 2019–2026 (USD MILLION)

8 COMPETITIVE LANDSCAPE

8.1 INTRODUCTION

FIGURE 31 OVERVIEW OF STRATEGIES ADOPTED BY KEY PLAYERS BETWEEN

2018 AND 2021

8.2 MARKET SHARE ANALYSIS

FIGURE 32 MARKET SHARE OF KEY PLAYERS, 2020

TABLE 602 DEGREE OF COMPETITION IN THE CHLOR-ALKALI MARKET

TABLE 603 STRATEGIC POSITIONING OF KEY PLAYERS

8.3 COMPANY EVALUATION QUADRANT DEFINITION

8.3.1 STAR

8.3.2 PERVASIVE

8.3.3 EMERGING LEADER

8.3.4 PARTICIPANT

FIGURE 33 CHLOR-ALKALI MARKET: COMPANY EVALUATION MATRIX, 2020

8.4 STARTUPS AND SMALL AND MEDIUM-SIZED ENTERPRISES (SMES) EVALUATION MATRIX

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About

This research report categorizes the global market for Chlor-Alkali on the basis of applications, and region along with forecasting volume, value, and trends in each of the markets.

Some the prominent players in "Chlor-Alkali Market" are:

Dow Chemical Company (U.S.)

Formosa Plastics Corporation (Taiwan)

Ineos Group Limited (Switzerland)

Xinjiang Zhongtai Chemical Company limited (China)

Tosoh Corporation (Japan)

The report also defines driving and restraining factors for the global chlor-alkali market with the analysis of trends, opportunities, burning issues, winning imperatives, and challenges. Some of the drivers include growing increased demand from the construction and automobile sectors, increased use in food, pulp and paper industries.

The chlor-alkali market is experiencing moderate growth, especially in Asia-Pacific and North America, due to the increased demand of chlor-alkali products in construction and chemical sectors. European chlor-alkali market is expected to face a demand supply gap as mercury cell plants are scheduled to be phased out from service before 2020.

The Asia-Pacific region was the world's largest market for chlor-alkali products in 2013 and is expected to be till 2019. China is the key consumer of chlorine, caustic soda and soda-ash in Asia-Pacific whereas India is expected to be the fastest growing market of chlor-alkali in Asia-Pacific as well as the World. Various mergers & acquisitions, and expansions in chlor-alkali industry and growing plastics industry have in turn made the region a potential growth market for chlor-alkali market. Expansions are key growth

strategy adopted by major players in this industry.

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