Tetramethylammonium hydroxide (TMAH) is a quaternary ammonium alkali with the molecular formula (CH₃)₄NOH. It is widely used in micro-or nanofabrication as an etchant and developer. One of the industrial uses of TMAH is for the anisotropic etching of silicon. It is used as a basic solvent in the development of acidic photosresist in the photolithography process, and is highly effective in stripping photosresist. TMAH has some phase transfer catalyst properties, and is used as a surfactant in the synthesis of ferrofluid, to inhibit nanoparticle aggregation. TMAH is the commonest reagent currently used in thermochemolysis, an analytical technique involving both pyrolysis and chemical derivatization of the analyst. China is the largest market of TMAH in the world in the past few years and it will keep the same position in the next few years. Chinese market took up about 50% the global production market in 2015, followed by USA with the share about 18%, then, Europe is closely followed with the share about 11%. Currently, Sachem, Greenda Chem, Tama, Sunheat, Runjing Chem, CCP, Merck, TATVA CHINTAN, Huadong Chem, Kailida Chem, Xinde Chem, Zhenfeng Chem, Kente Chem, Longxiang Chem are the key producers in the global TMAH market. Top five took up about 80% of the global market in 2015. Global Tetramethyl Ammonium Hydroxide market size will increase to 1310 Million US$ by 2025, from 780 Million US$ in 2018, at a CAGR of 6.7% during the forecast period. In this study, 2018 has been considered as the base year and 2019 to 2025 as the forecast period to estimate the market size for Tetramethyl Ammonium Hydroxide. This report researches the worldwide Tetramethyl Ammonium Hydroxide market size (value, capacity, production and consumption) in key regions like United States, Europe, Asia Pacific (China, Japan) and other regions. This study categorizes the global Tetramethyl Ammonium Hydroxide breakdown data by manufacturers, region, type and application, also analyzes the market status, market share, growth rate, future trends, market drivers, opportunities and challenges, risks and entry barriers, sales channels, distributors and Porter’s Five Forces Analysis. The following manufacturers are covered in this report: Hantok Chemical Nepes Sachem Moses Lake Industries Tokuyama San Fu Chemical CCP TATVA CHINTAN Greenda Chem Sunheat Runjing Chem Huadong Chem Kailida Chem Xinde Chem Zhenfeng Chem Kente Chem Tetramethyl Ammonium Hydroxide Breakdown Data by Type Electronic Grade TMAH Industrial Grade TMAH Tetramethyl Ammonium Hydroxide Breakdown Data by Application Organosilicon Synthesis Semiconductor Other Tetramethyl Ammonium Hydroxide Production Breakdown Data by Region United States Europe China Japan Other Regions Tetramethyl Ammonium Hydroxide Consumption Breakdown Data by Region North America United States Canada Mexico Asia-Pacific China India Japan South Korea Australia Indonesia Malaysia Philippines
The study objectives are:
To analyze and research the global Tetramethyl Ammonium Hydroxide capacity, production, value, consumption, status and forecast;
To focus on the key Tetramethyl Ammonium Hydroxide manufacturers and study the capacity, production, value, market share and development plans in next few years.
To define, describe and analyze the market competition landscape, SWOT analysis.
To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints and risks.
In this study, the years considered to estimate the market size of Tetramethyl Ammonium Hydroxide:
History Year: 2014-2018
Base Year: 2018
Estimated Year: 2019
Forecast Year 2019 to 2025
For the data information by region, company, type and application, 2018 is considered as the base year. Whenever data information was unavailable for the base year, the prior year has been considered.
4 Tetramethyl Ammonium Hydroxide Production by Regions

- 4.1 Global Tetramethyl Ammonium Hydroxide Production by Regions
  - 4.1.1 Global Tetramethyl Ammonium Hydroxide Production Market Share by Regions
  - 4.1.2 Global Tetramethyl Ammonium Hydroxide Revenue Market Share by Regions
- 4.2 United States
  - 4.2.1 United States Tetramethyl Ammonium Hydroxide Production
  - 4.2.2 United States Tetramethyl Ammonium Hydroxide Revenue
  - 4.2.3 Key Players in United States
  - 4.2.4 United States Tetramethyl Ammonium Hydroxide Import & Export
- 4.3 Europe
  - 4.3.1 Europe Tetramethyl Ammonium Hydroxide Production
  - 4.3.2 Europe Tetramethyl Ammonium Hydroxide Revenue
  - 4.3.3 Key Players in Europe
  - 4.3.4 Europe Tetramethyl Ammonium Hydroxide Import & Export
- 4.4 China
  - 4.4.1 China Tetramethyl Ammonium Hydroxide Production
  - 4.4.2 China Tetramethyl Ammonium Hydroxide Revenue
  - 4.4.3 Key Players in China
  - 4.4.4 China Tetramethyl Ammonium Hydroxide Import & Export
- 4.5 Japan
  - 4.5.1 Japan Tetramethyl Ammonium Hydroxide Production
  - 4.5.2 Japan Tetramethyl Ammonium Hydroxide Revenue
  - 4.5.3 Key Players in Japan
  - 4.5.4 Japan Tetramethyl Ammonium Hydroxide Import & Export
- 4.6 Other Regions
  - 4.6.1 South Korea
  - 4.6.2 India
  - 4.6.3 Southeast Asia

5 Tetramethyl Ammonium Hydroxide Consumption by Regions

- 5.1 Global Tetramethyl Ammonium Hydroxide Consumption by Regions
  - 5.1.1 Global Tetramethyl Ammonium Hydroxide Consumption by Regions
  - 5.1.2 Global Tetramethyl Ammonium Hydroxide Consumption Market Share by Regions
- 5.2 North America
  - 5.2.1 North America Tetramethyl Ammonium Hydroxide Consumption by Application
  - 5.2.2 North America Tetramethyl Ammonium Hydroxide Consumption by Countries
  - 5.2.3 United States
  - 5.2.4 Canada
  - 5.2.5 Mexico
- 5.3 Europe
  - 5.3.1 Europe Tetramethyl Ammonium Hydroxide Consumption by Application
  - 5.3.2 Europe Tetramethyl Ammonium Hydroxide Consumption by Countries
  - 5.3.3 Germany
  - 5.3.4 France
  - 5.3.5 UK
  - 5.3.6 Italy
  - 5.3.7 Russia
- 5.4 Asia Pacific
  - 5.4.1 Asia Pacific Tetramethyl Ammonium Hydroxide Consumption by Application
  - 5.4.2 Asia Pacific Tetramethyl Ammonium Hydroxide Consumption by Countries
  - 5.4.3 China
  - 5.4.4 Japan
  - 5.4.5 South Korea
  - 5.4.6 India
  - 5.4.7 Australia
  - 5.4.8 Indonesia
  - 5.4.9 Thailand
  - 5.4.10 Malaysia
  - 5.4.11 Philippines
  - 5.4.12 Vietnam
- 5.5 Central & South America
  - 5.5.1 Central & South America Tetramethyl Ammonium Hydroxide Consumption by Application
  - 5.5.2 Central & South America Tetramethyl Ammonium Hydroxide Consumption by Countries
  - 5.5.3 Brazil
- 5.6 Middle East and Africa
  - 5.6.1 Middle East and Africa Tetramethyl Ammonium Hydroxide Consumption by Application
  - 5.6.2 Middle East and Africa Tetramethyl Ammonium Hydroxide Consumption by Countries
  - 5.6.3 Turkey
  - 5.6.4 GCC Countries
  - 5.6.5 Egypt
  - 5.6.6 South Africa

6 Market Size by Type

- 6.1 Global Tetramethyl Ammonium Hydroxide Breakdown Data by Type
- 6.2 Global Tetramethyl Ammonium Hydroxide Revenue by Type
- 6.3 Tetramethyl Ammonium Hydroxide Price by Type

7 Market Size by Application

- 7.1 Overview
- 7.2 Global Tetramethyl Ammonium Hydroxide Breakdown Data by Application
  - 7.2.1 Global Tetramethyl Ammonium Hydroxide Consumption by Application

8 Manufacturers Profiles

- 8.1 Hantok Chemical
  - 8.1.1 Hantok Chemical Company Details
10.3.3 Canada
10.3.4 Mexico

10.4 Europe Market Consumption Forecast
- 10.4.1 Europe Tetramethyl Ammonium Hydroxide Consumption Forecast by Countries 2019-2025
- 10.4.2 Germany
- 10.4.3 France
- 10.4.4 UK
- 10.4.5 Italy
- 10.4.6 Russia

10.5 Asia Pacific Market Consumption Forecast
- 10.5.1 Asia Pacific Tetramethyl Ammonium Hydroxide Consumption Forecast by Countries 2019-2025
- 10.5.2 China
- 10.5.3 Japan
- 10.5.4 Korea
- 10.5.5 India
- 10.5.6 Australia
- 10.5.7 Indonesia
- 10.5.8 Thailand
- 10.5.9 Malaysia
- 10.5.10 Philippines
- 10.5.11 Vietnam

10.6 Central & South America Market Consumption Forecast
- 10.6.1 Central & South America Tetramethyl Ammonium Hydroxide Consumption Forecast by Country 2019-2025
- 10.6.2 Brazil

10.7 Middle East and Africa Market Consumption Forecast
- 10.7.1 Middle East and Africa Tetramethyl Ammonium Hydroxide Consumption Forecast by Countries 2019-2025
- 10.7.2 Middle East and Africa
- 10.7.3 Turkey
- 10.7.4 GCC Countries
- 10.7.5 Egypt
- 10.7.6 South Africa

11 Upstream, Industry Chain and Downstream Customers Analysis
- 11.1 Analysis of Tetramethyl Ammonium Hydroxide Upstream Market
- 11.1.1 Tetramethyl Ammonium Hydroxide Key Raw Material
- 11.1.2 Typical Suppliers of Key Tetramethyl Ammonium Hydroxide Raw Material
- 11.1.3 Tetramethyl Ammonium Hydroxide Raw Material Market Concentration Rate
- 11.2 Tetramethyl Ammonium Hydroxide Industry Chain Analysis
- 11.3 Marketing & Distribution
- 11.4 Tetramethyl Ammonium Hydroxide Distributors
- 11.5 Tetramethyl Ammonium Hydroxide Customers

12 Opportunities & Challenges, Threat and Affecting Factors
- 12.1 Market Opportunities
- 12.2 Market Challenges
- 12.3 Porter's Five Forces Analysis

13 Key Findings

14 Appendix
- 14.1 Research Methodology
- 14.1.1 Methodology/Research Approach
- 14.1.2 Data Source
- 14.2 Author Details