

Global Electronic Chemicals and Materials Market - Forecasts from 2020 to 2025

<https://marketpublishers.com/r/G9BE510362BDEN.html>

Date: February 2020

Pages: 127

Price: US\$ 3,950.00 (Single User License)

ID: G9BE510362BDEN

Abstracts

The global electronic chemicals and materials market is projected to grow at a CAGR of 6.63% to reach US\$76.220 billion by 2025, from US\$51.855 billion in 2019. There are a variety of chemicals and materials that are used for processes and packing of products and components like silicon wafers, printed circuit boards, integrated circuits, semiconductors in the electronics industry and are referred to as electronic chemicals and materials. There are different chemicals used in the electronics industry during and after the manufacture of electronic components for different devices. Some of these chemicals used for the manufacturing of silicon wafers include hydrochloric acid, ammonium chloride, and ammonia. Herein, hydrogen chloride is used to remove any impurities and ammonium chloride is used for production polysilicon crystals. Photoresistors can also be applied on top of silicon wafers to give them the ability to facilitate the process of photolithography. For the manufacturing of semiconductors different chemicals like ammonium hydroxide, isopropyl alcohol, nitric acid, phosphoric acid and sulphuric acid among others. Rising disposable income has led to increasing demand for consumer electronics such as entertainment devices, mobile phones, laptops, which is boosting the demand of these chemicals and materials. Moreover, stringent requirement for the purity of processing chemicals used for fabricating integrated circuits, silicon wafers and IC's will become complex with advanced circuits being developed, which is the direct result of devices getting more technologically advanced will also bolster the market growth further.

Furthermore, the increasing investments, acquisitions, and participation of market players is augmenting the demand for these chemicals. For instance, recently, in 2019, Samsung announced the launch of its latest TV called "The Wall" which uses the micro-LED technology and up to 8k resolution. This TV is modular and flexible and can be made into any sizes and designs.

Institute of Electrical and Electronics Engineers (IEEE), the world's largest professional society, has many initiatives to advance the state of the art of consumer electronics. IEEE has a dedicated society of thousands of professionals to promote CE, called the Consumer Electronics Society (CESoc). IEEE has multiple periodicals and international conferences to promote Consumer Electronics and encourage collaborative research and development in consumer electronics.

The electronic chemicals and materials market has been segmented based on type, application, and geography. By type, the market has been segmented as gases, wet chemicals, silicon wafer, and others. By application, the market has been segmented into semiconductor and IC, photovoltaic, displays and others.

Silicon wafers to hold a dominant market share

Silicon wafers are silicon crystal, which has been cut into thin slices. The silicon wafers are mostly used in the fabrication and manufacturing of Integrated Circuits (IC's) and other microelectronics based devices. By type, the silicon wafer segment is estimated to hold a significant market share which can be attributed to the benefits and its usage across wide range of components.

Semiconductor and IC, Displays to hold a significant share

By application, semiconductor and IC segment are expected to hold a significant market share due to increasing consumer electronics and smart devices making the use of these components, Also, displays segment will show market potential due the technological advancements.

Asia Pacific and North America will account for major demand for these chemicals

By geography, Asia Pacific and North America regions are expected to hold a significant market share, which is attributed to the well-developed and high output electronics industry in countries like China in the Asia Pacific region. Whereas, the US has a well-established chemical industry in the North American region.

Some of the players mentioned a part of this report are BASF SE, 3M, and Merck KGaA.

Segmentation

By Type

Gases

Wet Chemicals

Silicon Wafer

Others

By Application

Semiconductor and IC

Photovoltaic

Displays

Others

By Geography

North America

USA

Canada

Mexico

South America

Brazil

Argentina

Others

Europe

Germany

France

United Kingdom

Spain

Others

Middle East and Africa

Saudi Arabia

Israel

UAE

Others

Asia Pacific

China

Japan

South Korea

India

Others

Contents

1. INTRODUCTION

- 1.1. Market Definition
- 1.2. Market Segmentation

2. RESEARCH METHODOLOGY

- 2.1. Research Data
- 2.2. Assumptions

3. EXECUTIVE SUMMARY

- 3.1. Research Highlights

4. MARKET DYNAMICS

- 4.1. Market Drivers
- 4.2. Market Restraints
- 4.3. Porters Five Forces Analysis
 - 4.3.1. Bargaining Power of Suppliers
 - 4.3.2. Bargaining Power of Buyers
 - 4.3.3. Threat of New Entrants
 - 4.3.4. Threat of Substitutes
 - 4.3.5. Competitive Rivalry in the Industry
- 4.4. Industry Value Chain Analysis

5. GLOBAL ELECTRONIC CHEMICALS AND MATERIALS MARKET ANALYSIS, BY TYPE

- 5.1. Introduction
- 5.2. Gases
- 5.3. Wet Chemicals
- 5.4. Silicon Wafer
- 5.5. Others

6. GLOBAL ELECTRONIC CHEMICALS AND MATERIALS MARKET ANALYSIS, BY APPLICATION

- 6.1. Introduction
- 6.2. Semiconductor and IC
- 6.3. Photovoltaic
- 6.4. Displays
- 6.5. Others

7. GLOBAL ELECTRONIC CHEMICALS AND MATERIALS MARKET ANALYSIS, BY GEOGRAPHY

- 7.1. Introduction
- 7.2. North America
 - 7.2.1. North America Electronic Chemicals and Materials Market, By Type, 2019 to 2025
 - 7.2.2. North America Electronic Chemicals and Materials Market, By Application, 2019 to 2025
 - 7.2.3. By Country
 - 7.2.3.1. USA
 - 7.2.3.2. Canada
 - 7.2.3.3. Mexico
- 7.3. South America
 - 7.3.1. South America Electronic Chemicals and Materials Market, By Type, 2019 to 2025
 - 7.3.2. South America Electronic Chemicals and Materials Market, By Application, 2019 to 2025
 - 7.3.3. By Country
 - 7.3.3.1. Brazil
 - 7.3.3.2. Argentina
 - 7.3.3.3. Others
- 7.4. Europe
 - 7.4.1. Europe Electronic Chemicals and Materials Market, By Type, 2019 to 2025
 - 7.4.2. Europe Electronic Chemicals and Materials Market, By Application, 2019 to 2025
 - 7.4.3. By Country
 - 7.4.3.1. Germany
 - 7.4.3.2. France
 - 7.4.3.3. United Kingdom
 - 7.4.3.4. Spain
 - 7.4.3.5. Others

7.5. Middle East and Africa

7.5.1. Middle East and Africa Electronic Chemicals and Materials Market, By Type, 2019 to 2025

7.5.2. Middle East and Africa Electronic Chemicals and Materials Market, By Application, 2019 to 2025

7.5.3. By Country

7.5.3.1. Saudi Arabia

7.5.3.2. Israel

7.5.3.3. UAE

7.5.3.4. Others

7.6. Asia Pacific

7.6.1. Asia Pacific Electronic Chemicals and Materials Market, By Type, 2019 to 2025

7.6.2. Asia Pacific Electronic Chemicals and Materials Market, By Application, 2019 to 2025

7.6.3. By Country

7.6.3.1. China

7.6.3.2. Japan

7.6.3.3. South Korea

7.6.3.4. India

7.6.3.5. Others

8. COMPETITIVE ENVIRONMENT AND ANALYSIS

8.1. Major Players and Strategy Analysis

8.2. Emerging Players and Market Lucrativeness

8.3. Mergers, Acquisitions, Agreements, and Collaborations

8.4. Vendor Competitiveness Matrix

9. COMPANY PROFILES

9.1. . BASF SE

9.2. 3M

9.3. KMG Chemicals

9.4. DowDuPont

9.5. Eastman Chemical Company

9.6. Honeywell International Inc.

9.7. Avantor®, Inc.

9.8. Merck KGaA

9.9. KANTO KAGAKU

9.10. The Linde Group

I would like to order

Product name: Global Electronic Chemicals and Materials Market - Forecasts from 2020 to 2025

Product link: <https://marketpublishers.com/r/G9BE510362BDEN.html>

Price: US\$ 3,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G9BE510362BDEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970