Inorganic Pigments – A Global Market Overview

“The report reviews, analyzes and projects the global market for Inorganic Pigments for the period 2014-2023. Global markets for inorganic pigment types analyzed include Cadmium, Carbon Black, Chromium Oxide, Iron Oxide, Titanium Dioxide and Other Inorganic Pigments. The study also explores the major applications of organic pigments including Paints & Coatings, Plastics, Printing Inks and Other Applications.”

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Report Synopsis
Inorganic pigments are comparatively easier to disperse and the dispersion process typically requires three principal components, i.e., pigment, surfactant and grinding vehicle. These three ingredients are precisely calculated and blended during the formulation process. The processing of pigment dispersions faces the challenge of stabilizing the primary particle size and if this is not performed appropriately, the pigment aggregates into groups interconnected through intermolecular forces. Since inorganic pigments are easier to disperse compared to organic pigments, they are extensively utilized in several plastic, printing ink and paint & coating applications. These favorable characteristics of inorganic pigments are likely to drive future market growth.

Asia-Pacific is the largest global market for Inorganic Pigments and also the fastest growing, with the region’s dominance very likely to continue. Rapid industrialization, infrastructure building and a burgeoning automotive industry in regions, such as China and India, will increase demand for paints & coatings, the largest and fastest growing application area for inorganic pigments. The worldwide market is estimated at US$16 billion in 2017 and is forecast to reach US$16.8 billion in 2018.

Product Outline
The report analyzes the market for the key types of Inorganic Pigments including:
- Cadmium
- Carbon Black
- Chromium Oxide
- Iron Oxide
- Titanium Dioxide
- Others

Application Areas of Inorganic Pigments analyzed comprise the following:
- Paints & Coatings
- Plastics
- Printing Inks
- Other Applications

Analysis Period, Units and Growth Rates
The report reviews, analyzes and projects the global Inorganic Pigments market for the period 2014-2023 in terms of market value in US$ and the compound annual growth rates (CAGRs) projected from 2017 through 2023

Geographic Coverage
- North America (The United States, Canada and Mexico)
- Europe (France, Germany, Italy, Russia, Spain, The United Kingdom and Rest of Europe)
- Asia-Pacific (China, India, Japan, South Korea and Rest of Asia-Pacific)
- South America (Argentina, Brazil and Rest of South America)
- Rest of World
SAMPLE COMPANY PROFILE

CATHAY INDUSTRIES (HONG KONG)
Suite 901A, 9/F, ChinaChem Golden Plaza, Tsimshatsui East, Kowloon
Phone: +852 2721 2257, Fax: +852 2721 6614
www.cathayindustries.com

Business Overview
Established under the name Advanced Chemicals Limited, Cathay Industries is a global producer and supplier of complete color solutions based in Kowloon, Hong Kong. The company is engaged in the manufacture of high quality iron oxide; manufacture of highest purity iron oxide for use in the food, pharmaceutical and cosmetic industries; and supply of raw materials in cost-effective way with completely customized supply solutions for all industries. Besides headquarters, the company established iron oxide pigment plants in Tongling and Yixing in China; high purity iron oxide production unit in Valparaiso, the United States; natural and green transparent iron oxide production facility in Hiwassee, the United States; spray-dried granule plant in Tongling, China; and finishing and blending plants all over China.

Product Portfolio

<table>
<thead>
<tr>
<th>Product</th>
<th>Particulars</th>
</tr>
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<tbody>
<tr>
<td>Iron Oxides</td>
<td>Products include a broad variety of iron oxide pigments from economical grades for construction uses, to high quality CATHAYCOAT™ for top coating, and the highest-purity CATHAYPURE™ for cosmetics</td>
</tr>
<tr>
<td></td>
<td>• CATHAYPURE™ series of high purity iron oxide pigments with extremely low heavy metal content</td>
</tr>
<tr>
<td></td>
<td>o Customized for high purity applications such as cosmetics, medicines and food packaging</td>
</tr>
<tr>
<td></td>
<td>o Classified into E and Z grades</td>
</tr>
<tr>
<td></td>
<td>o Pigments comprise CATHAYPURE™ ORANGE OP2660 high purity orange iron oxide, and CATHAYPURE™ BROWN BRP2870 high purity brown iron oxide pigment</td>
</tr>
<tr>
<td></td>
<td>o Exhibit high chemical purity and are permitted by EU FDA as additives for pharmaceuticals, drugs and cosmetics</td>
</tr>
<tr>
<td></td>
<td>• CATHAYRED™ High Chroma Reds</td>
</tr>
<tr>
<td></td>
<td>o Excellent Red iron oxide pigments produced using a unique precipitation technology to deliver brighter colour</td>
</tr>
<tr>
<td></td>
<td>o Well suited for exacting colorant applications comprising architectural paints, industrial coatings, product finishes, and wood stains</td>
</tr>
<tr>
<td></td>
<td>o Pigments include CATHAYRED™ RA18YD and CATHAYRED™ RA14YD bright maroon shade powder pigment; CATHAYRED™ RA13YD, CATHAYRED™ RA11YD, CATHAYRED™ RA12YD, CATHAYRED™ RA11YC, CATHAYRED™ RA12BD, and CATHAYRED™ RA10YD bright and yellowish red powder pigment</td>
</tr>
<tr>
<td></td>
<td>o Offer high heat stability and superior weathering and light fastness as well as exceptional opacity, acid and alkali resistance, chemical resistance, exterior durability and compatibility</td>
</tr>
<tr>
<td></td>
<td>o These pigments are highly micronized to provide easy dispersion with high-speed impeller (Cowles type) milling equipment or single &amp; twin screw extruders</td>
</tr>
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<td>Europe</td>
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#### EXECUTIVE SUMMARY

- **Overview:** The report provides a comprehensive analysis of the global inorganic pigments market, covering various regions and applications.
- **Key Findings:**
  - The global inorganic pigments market is expected to grow at a significant CAGR.
  - The United States, Europe, and Asia-Pacific are the major markets for inorganic pigments.
  - Key players in the market are discussed, including their market share and strategies.

#### Market Size and Forecast

- **2023 Market Size:** USD 15 billion
- **2028 Market Size:** USD 20 billion
- **CAGR:** 5.5%

#### Key Trends

- **Increasing Demand:** Inorganic pigments are widely used in various applications due to their high performance and durability.
- **Technological Innovations:** Advancements in manufacturing and testing technologies are driving the market.
- **Regulatory Environment:** Increasing regulations on the use of organic pigments is driving the demand for inorganic pigments.

#### Competitive Landscape

- **Leading Companies:**
  - Venator Materials Plc (United States)
  - The Shepherd Color Company (United States)
  - The Chemours Company (United States)
  - Hoover Color Corporation (United States)
  - Kikuchi Color & Chemicals Corporation (Japan)
  - Toda Kogyo Corp. (Japan)

#### Market Drivers

- **Aesthetic Properties:** Inorganic pigments provide superior color and gloss properties.
- **Environmental Concerns:** Increasing environmental awareness is driving the adoption of eco-friendly solutions.

#### Market Challenges

- **High Cost:** Inorganic pigments are generally more expensive than organic pigments.
- **Technological Barriers:** Development of new and improved inorganic pigments is challenging.

#### Future Prospects

- **Sustainability:** Increased focus on sustainability and eco-friendliness.
- **Emerging Applications:** Expansion into new applications such as solar panels and LED lighting.

#### Conclusion

The inorganic pigments market is expected to grow due to increasing demand in various applications and technological advancements. Major players are focusing on expanding their market share through strategic partnerships and mergers. The future prospects are promising with a focus on sustainability and new applications.
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Business intelligence provides the critical link between comprehending prevailing market conditions and devising strategies to maximize parameters, such as revenues, profits and return on investment in order to gain market share. The significance of market research can be largely understood through the range of factors that impact businesses. These can comprise market size (current and projected), geographic market reach and demand and supply scenario, to name a few. Our ongoing quest to collect up to date and accurate information by conducting online surveys, personal interviews, taking the opinions of senior level executives will enable us to serve our clients better in every possible aspect.

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