

Catalyst Fertilizers Market by Fertilizer Production Process (Haber-Bosch Process, Contact Process), Metal Group (Base Metals, Precious Metals), Fertilizer Application (Nitrogenous, Phosphatic), and Region – Global Forecast to 2023

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Abstracts

“The catalyst fertilizers market is projected to grow at a CAGR of 2.36% from 2018 to 2023.”

The catalyst fertilizers market is projected to reach USD 2.5 billion by 2023, from USD 2.3 billion in 2018, at a CAGR of 2.36%. The catalyst fertilizers market is driven by various factors such as increasing demand for ammonia and phosphate fertilizers across the globe and increasing need for reforming catalysts in ammonia production facilities. However, the long replacement period associated with catalysts may hinder the growth of the market on a global level.

“In terms of fertilizer production process, the Haber-Bosch process is projected to witness the fastest growth from 2018 to 2023.”

With the improving economic conditions of Asian countries, the adoption rate of innovative ammonia production processes with efficient emission control system remains high. Though the fertilizer production process is majorly concentrated in countries such as China, India, and Indonesia, the rising demand for urea and ammonia fertilizers in other developing economies has boosted the need for production units in Asian and African countries. This is projected to enhance the growth opportunity for the Haber-Bosch ammonia synthesis process during the forecast period.

“In terms of metal group, the base metals segment is estimated to have the largest

market share during the forecast period.”

According to the FAOSTAT, nitrogen is the most produced nutrient across the globe, occupying over 52% of the total fertilizers produced in 2016, and iron is the most widely used catalyst for ammonia production. Also, sulfuric acid production is highly dependent on vanadium for its catalytic activity. Iron catalysts are available at a low cost of approximately USD 900–1,000 per ton, according to industry experts, which is almost 10–20 times cheaper than precious metals such as platinum and palladium. Hence, base metals are majorly preferred among fertilizer manufacturers for their production processes.

“Asia Pacific is estimated to dominate the catalyst fertilizers market in 2018.”

The demand for fertilizer catalysts is primarily driven by the increasing production of fertilizers, particularly in countries such as China, India, the US, and Russia. These countries are the largest producers of ammonia. The Asia Pacific region dominated the global fertilizer catalysts market in 2017 due to the presence of major producers of ammonia-based fertilizers in China, India, and Indonesia. Additionally, China is one of the largest exporters of phosphate fertilizers, which implies that higher the production of phosphate fertilizers, higher would be the need for the adoption of catalysts during the production process.

In-depth interviews were conducted with Chief Executive Officers (CEOs), marketing directors, other innovation and technology directors, and executives from various key organizations operating in the catalyst fertilizers marketplace.

The breakdown of the primaries on the basis of company type, designation, and region conducted during the research study is as follows:

By Company type: Tier 1 – 45%, Tier 2 –30%, and Tier 3 – 25%

By Designation: C-Level – 50%, D-Level – 20%, and Others* – 30%

By Region: Asia Pacific – 40%, Europe –30%, North America –20%, and RoW -10%

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

Note: Tier 1: Revenue > USD 1 billion; Tier 2: USD 100 million ? Revenue ? USD 1 billion; Tier 3: Revenue

Multiple companies are major suppliers of catalysts in more than one industry, and hence, the end-use applications for their products are not mentioned. Hence, the scope of this report includes a detailed study of only those catalyst manufacturers whose portfolio mentions the end use as fertilizers. Major players such as Clariant International (Switzerland), DowDuPont (US), Project & Development India Ltd. (India), Johnson Matthey (UK), and Haldor Topsoe (Denmark) have been included in this report.

Research Coverage

The report analyzes the catalyst fertilizers market across different fertilizer applications and regions. It aims at estimating the market size and growth potential of this market across different segments, such as fertilizer production process, metal group, fertilizer application, and region. Furthermore, the report includes an in-depth competitive analysis of key players in the market, along with their company profiles, recent developments, and key market strategies.

Key Benefits of Buying the Report:

The report will help market leaders/new entrants in this market by providing them the closest approximations of revenue numbers for the overall catalyst fertilizers market and its subsegments. This report will help stakeholders to better understand the competitor landscape, gain more insights to position their businesses better, and devise suitable go-to-market strategies. This report will also help stakeholders to understand the market and provide them with information on the key market drivers, restraints, challenges, and opportunities.

Contents

1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION
- 1.3 STUDY SCOPE
- 1.4 PERIODIZATION CONSIDERED
- 1.5 CURRENCY CONSIDERED
- 1.6 STAKEHOLDERS

2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
 - 2.1.1 SECONDARY DATA
 - 2.1.2 PRIMARY DATA
 - 2.1.2.1 Key industry insights
 - 2.1.2.2 Breakdown of primary interviews
- 2.2 MARKET SIZE ESTIMATION
- 2.3 DATA TRIANGULATION
- 2.4 RESEARCH ASSUMPTIONS
- 2.5 LIMITATIONS

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

- 4.1 OPPORTUNITIES IN THE FERTILIZER CATALYSTS MARKET
- 4.2 FERTILIZER CATALYSTS MARKET, BY METAL GROUP
- 4.3 ASIA PACIFIC: FERTILIZER CATALYSTS MARKET, BY FERTILIZER PRODUCTION PROCESS & KEY COUNTRY
- 4.4 FERTILIZER CATALYSTS MARKET, BY FERTILIZER APPLICATION & REGION
- 4.5 FERTILIZER CATALYSTS MARKET, BY KEY COUNTRY

5 MARKET OVERVIEW

- 5.1 INTRODUCTION
- 5.2 MACROECONOMIC INDICATORS
 - 5.2.1 INCREASING PRODUCTION OPPORTUNITIES FOR FERTILIZERS

5.2.2 FLUCTUATING PRICES OF NATURAL GAS

5.3 MARKET DYNAMICS

5.3.1 DRIVERS

5.3.1.1 Growing need for efficient fertilizer production across the globe

5.3.1.1.1 Increased output and conversion rate

5.3.1.2 Control of emissions from fertilizers

5.3.2 RESTRAINTS

5.3.2.1 Long replacement period for catalyst membranes could restrain the market growth

5.3.2.2 Rising growth opportunity for organic fertilizers

5.3.3 OPPORTUNITIES

5.3.3.1 Global growth in fertilizer consumption is expected to boost new plant commissions and upgradations

5.3.3.1.1 Upgradation to natural gas-based feedstock for fertilizer production is expected to fuel the growth of new catalytic unit installations

5.3.3.2 Technological advancements

5.3.3.2.1 Strong R&D activities to reduce the cost of catalysts

5.3.3.2.2 High growth in R&D activity to improve the quality and functionality of catalysts

5.3.4 CHALLENGES

5.3.4.1 Uncomplimentary commodity prices and lower farm incomes

5.4 PATENT ANALYSIS

5.5 REGULATORY FRAMEWORK

5.5.1 INTRODUCTION

5.5.2 RULES ON FERTILIZER PRODUCTION

5.5.3 STANDARDIZATION ON GHG EMISSIONS

5.5.4 RECOVERY OF SPENT CATALYSTS

6 FERTILIZER CATALYSTS MARKET, BY FERTILIZER PRODUCTION PROCESS

6.1 INTRODUCTION

6.2 HABER-BOSCH PROCESS

6.2.1 APPROXIMATELY 80% OF THE ENTIRE AMMONIA PRODUCED BY HABER-BOSCH PROCESS IS USED IN THE FERTILIZER INDUSTRY

6.3 CONTACT PROCESS

6.3.1 SULFURIC ACID IS THE MOST PRODUCED CHEMICAL IN THE US

6.4 OTHER PROCESSES

7 FERTILIZER CATALYSTS MARKET, BY METAL GROUP

7.1 INTRODUCTION

7.2 BASE METALS

7.2.1 LOWER COST OF BASE METALS IS THE MAJOR FACTOR FOR ITS HIGH DEMAND FROM FERTILIZER MANUFACTURERS

7.3 PRECIOUS METALS

7.3.1 INHERENT CHEMICAL PROPERTIES OF PRECIOUS METALS PROVIDE HIGHER SELECTIVITY AND STABILITY DURING REACTIONS

8 FERTILIZER CATALYSTS MARKET, BY FERTILIZER APPLICATION

8.1 INTRODUCTION

8.2 NITROGENOUS FERTILIZERS

8.2.1 RISING AWARENESS ON GHG EMISSIONS FROM AMMONIA PLANTS HAS BOOSTED THE GROWTH RATE OF CATALYSTS FOR AMMONIA PRODUCTION

8.3 PHOSPHATIC FERTILIZERS

8.3.1 HEAVY DEPENDENCY OF PHOSPHATIC FERTILIZERS ON THE OIL INDUSTRY HAS BEEN HAMPERING THE GROWTH OF THESE FERTILIZERS

9 FERTILIZER CATALYSTS MARKET, BY REGION

9.1 INTRODUCTION

9.2 NORTH AMERICA

9.2.1 US

9.2.1.1 Increase in the ammonia production capacity is projected to boost the market growth

9.2.2 CANADA

9.2.2.1 The increasing expansion of ammonia-based fertilizer plants to strengthen the demand for catalysts

9.2.3 MEXICO

9.2.3.1 Fertilizer production in the country is driven by the increasing fertilizer consumption for grain crops

9.3 EUROPE

9.3.1 RUSSIA

9.3.1.1 Largest producer of fertilizers due to the huge reserves of sulfur, ammonia, and phosphate rocks

9.3.2 NETHERLANDS

9.3.2.1 Second largest nitrogenous fertilizer producer in Europe

9.3.3 POLAND

9.3.3.1 Haber-Bosch process dominated the market due to the high production of ammonia-based fertilizers

9.3.4 REST OF EUROPE

9.4 ASIA PACIFIC

9.4.1 CHINA

9.4.1.1 Dominance due to high fertilizer production and rising investments in efficient catalyst membranes to control emissions

9.4.2 INDIA

9.4.2.1 Strong demand due to upgradation of ammonia plants with natural gas-based feedstock

9.4.3 INDONESIA

9.4.3.1 Indonesia, being the fifth-largest producer and sixth-largest exporter of ammonia, is expected to experience increased demand for fertilizer catalysts

9.4.4 REST OF ASIA PACIFIC

9.5 SOUTH AMERICA

9.5.1 BRAZIL

9.5.1.1 Brazil contributes to approximately 60% of the South American fertilizer production

9.5.2 ARGENTINA

9.5.2.1 With the recent import duty posed on phosphate fertilizers, production is estimated to grow in Argentina

9.5.3 REST OF SOUTH AMERICA

9.6 REST OF THE WORLD (ROW)

9.6.1 MIDDLE EAST

9.6.1.1 Large reserves of sulfur and natural gas reflect higher fertilizer production in the region

9.6.2 AFRICA

9.6.2.1 Increase in the number of fertilizer production plants fuels the demand for fertilizer catalysts

10 COMPETITIVE LANDSCAPE

10.1 INTRODUCTION

10.2 COMPETITIVE LEADERSHIP MAPPING

10.2.1 VISIONARY LEADERS

10.2.2 PRODUCT DIFFERENTIATORS

10.2.3 VALUE CHAIN BUILDERS

10.2.4 EMERGING PATHFINDERS

10.3 MARKET RANKING ANALYSIS, BY COMPANY

10.4 COMPETITIVE SCENARIO

10.4.1 AGREEMENTS, COLLABORATIONS, PARTNERSHIPS, AND JOINT VENTURES

10.4.2 EXPANSIONS & INVESTMENTS

10.4.3 MERGERS & ACQUISITIONS

10.4.4 NEW PRODUCT/TECHNOLOGY LAUNCHES

11 COMPANY PROFILES

(Business overview, Products offered, Recent developments, SWOT analysis & MnM View)*

11.1 CLARIANT INTERNATIONAL

11.2 DOWDUPONT

11.3 PROJECTS & DEVELOPMENT INDIA LIMITED (PDIL)

11.4 LKAB MINERALS

11.5 JOHNSON MATTHEY

11.6 QUANTUMSPHERE INC.

11.7 HALDOR TOPSOE

11.8 N.E.CHEMCAT

11.9 QUALITY MAGNETITE

11.10 OHAM INDUSTRIES

*Details on Business overview, Products offered, Recent developments, SWOT analysis & MnM View might not be captured in case of unlisted companies.

12 APPENDIX

12.1 DISCUSSION GUIDE

12.2 KNOWLEDGE STORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL

12.3 AVAILABLE CUSTOMIZATIONS

12.4 RELATED REPORTS

12.5 AUTHOR DETAILS

List Of Tables

LIST OF TABLES

TABLE 1 USD EXCHANGE RATE, 2014–2017

TABLE 2 TYPICAL REPLACEMENT PERIOD OF CATALYSTS

TABLE 3 LIST OF SOME KEY PATENTS FOR FERTILIZER CATALYSTS, 2014–2018

TABLE 4 AIR EMISSION LEVELS FOR NITROGENOUS FERTILIZER
MANUFACTURING PLANTS

TABLE 5 FERTILIZER CATALYSTS MARKET SIZE, BY FERTILIZER PRODUCTION
PROCESS, 2016–2023 (USD MILLION)

TABLE 6 HABER-BOSCH PROCESS CATALYSTS MARKET SIZE, BY REGION,
2016–2023 (USD MILLION)

TABLE 7 CONTACT PROCESS CATALYSTS MARKET SIZE, BY REGION, 2016–2023
(USD MILLION)

TABLE 8 OTHER PROCESS CATALYSTS MARKET SIZE, BY REGION, 2016–2023
(USD MILLION)

TABLE 9 FERTILIZER CATALYSTS MARKET SIZE, BY METAL GROUP, 2016–2023
(USD MILLION)

TABLE 10 BASE METALS: FERTILIZER CATALYSTS MARKET SIZE, BY REGION,
2016–2023 (USD MILLION)

TABLE 11 BASE METALS: FERTILIZER CATALYSTS MARKET SIZE, BY METAL
TYPE, 2016–2023 (USD MILLION)

TABLE 12 PRECIOUS METALS: FERTILIZER CATALYSTS MARKET SIZE, BY
METAL TYPE, 2016–2023 (USD MILLION)

TABLE 13 PRECIOUS METALS: FERTILIZER CATALYST MARKET SIZE, BY
REGION, 2016–2023 (USD MILLION)

TABLE 14 FERTILIZER CATALYSTS MARKET SIZE, BY FERTILIZER APPLICATION,
2016–2023 (USD MILLION)

TABLE 15 NITROGENOUS FERTILIZERS: FERTILIZER CATALYSTS MARKET SIZE,
BY REGION, 2016–2023 (USD MILLION)

TABLE 16 PHOSPHATIC FERTILIZERS: FERTILIZER CATALYSTS MARKET SIZE,
BY REGION, 2016–2023 (USD MILLION)

TABLE 17 FERTILIZER CATALYSTS MARKET SIZE, BY REGION, 2016–2023 (USD
MILLION)

TABLE 18 NORTH AMERICA: FERTILIZER CATALYSTS MARKET SIZE, BY
COUNTRY, 2016–2023 (USD MILLION)

TABLE 19 NORTH AMERICA: FERTILIZER CATALYSTS MARKET SIZE, BY
FERTILIZER PRODUCTION PROCESS, 2016–2023 (USD MILLION)

TABLE 20 NORTH AMERICA: FERTILIZER CATALYSTS MARKET SIZE, BY METAL GROUP, 2016–2023 (USD MILLION)

TABLE 21 NORTH AMERICA: FERTILIZER CATALYSTS MARKET SIZE, BY FERTILIZER APPLICATION, 2016–2023 (USD MILLION)

TABLE 22 US: FERTILIZER CATALYSTS MARKET SIZE, BY FERTILIZER PRODUCTION PROCESS, 2016–2023 (USD MILLION)

TABLE 23 US: FERTILIZER CATALYSTS MARKET SIZE, BY METAL GROUP, 2016–2023 (USD MILLION)

TABLE 24 CANADA: FERTILIZER CATALYSTS MARKET SIZE, BY FERTILIZER PRODUCTION PROCESS, 2016–2023 (USD MILLION)

TABLE 25 CANADA: FERTILIZER CATALYSTS MARKET SIZE, BY METAL GROUP, 2016–2023 (USD MILLION)

TABLE 26 MEXICO: FERTILIZER CATALYSTS MARKET SIZE, BY FERTILIZER PRODUCTION PROCESS, 2016–2023 (USD MILLION)

TABLE 27 MEXICO: FERTILIZER CATALYSTS MARKET SIZE, BY METAL GROUP, 2016–2023 (USD MILLION)

TABLE 28 EUROPE: FERTILIZER CATALYSTS MARKET SIZE, BY COUNTRY, 2016–2023 (USD MILLION)

TABLE 29 EUROPE: FERTILIZER CATALYSTS MARKET SIZE, BY FERTILIZER PRODUCTION PROCESS, 2016–2023 (USD MILLION)

TABLE 30 EUROPE: FERTILIZER CATALYSTS MARKET SIZE, BY METAL GROUP, 2016–2023 (USD MILLION)

TABLE 31 EUROPE: FERTILIZER CATALYSTS MARKET SIZE, BY FERTILIZER APPLICATION, 2016–2023 (USD MILLION)

TABLE 32 RUSSIA: FERTILIZER CATALYSTS MARKET SIZE, BY FERTILIZER PRODUCTION PROCESS, 2016–2023 (USD MILLION)

TABLE 33 RUSSIA: FERTILIZER CATALYSTS MARKET SIZE, BY METAL GROUP, 2016–2023 (USD MILLION)

TABLE 34 NETHERLANDS: FERTILIZER CATALYSTS MARKET SIZE, BY FERTILIZER PRODUCTION PROCESS, 2016–2023 (USD MILLION)

TABLE 35 NETHERLANDS: FERTILIZER CATALYSTS MARKET SIZE, BY METAL GROUP, 2016–2023 (USD MILLION)

TABLE 36 POLAND: FERTILIZER CATALYSTS MARKET SIZE, BY FERTILIZER PRODUCTION PROCESS, 2016–2023 (USD MILLION)

TABLE 37 POLAND: FERTILIZER CATALYSTS MARKET SIZE, BY METAL GROUP, 2016–2023 (USD MILLION)

TABLE 38 REST OF EUROPE: FERTILIZER CATALYSTS MARKET SIZE, BY FERTILIZER PRODUCTION PROCESS, 2016–2023 (USD MILLION)

TABLE 39 REST OF EUROPE: FERTILIZER CATALYSTS MARKET SIZE, BY METAL

GROUP, 2016–2023 (USD MILLION)

TABLE 40 ASIA PACIFIC: FERTILIZER CATALYSTS MARKET SIZE, BY COUNTRY, 2016–2023 (USD MILLION)

TABLE 41 ASIA PACIFIC: FERTILIZER CATALYSTS MARKET SIZE, BY FERTILIZER PRODUCTION PROCESS, 2016–2023 (USD MILLION)

TABLE 42 ASIA PACIFIC: FERTILIZER CATALYSTS MARKET SIZE, BY METAL GROUP, 2016–2023 (USD MILLION)

TABLE 43 ASIA PACIFIC: FERTILIZER CATALYSTS MARKET SIZE, BY FERTILIZER APPLICATION, 2016–2023 (USD MILLION)

TABLE 44 CHINA: FERTILIZER CATALYSTS MARKET SIZE, BY FERTILIZER PRODUCTION PROCESS, 2016–2023 (USD MILLION)

TABLE 45 CHINA: FERTILIZER CATALYSTS MARKET SIZE, BY METAL GROUP, 2016–2023 (USD MILLION)

TABLE 46 INDIA: FERTILIZER CATALYSTS MARKET SIZE, BY FERTILIZER PRODUCTION PROCESS, 2016–2023 (USD MILLION)

TABLE 47 INDIA: FERTILIZER CATALYSTS MARKET SIZE, BY METAL GROUP, 2016–2023 (USD MILLION)

TABLE 48 INDONESIA: FERTILIZER CATALYSTS MARKET SIZE, BY FERTILIZER PRODUCTION PROCESS, 2016–2023 (USD MILLION)

TABLE 49 INDONESIA: FERTILIZER CATALYSTS MARKET SIZE, BY METAL GROUP, 2016–2023 (USD MILLION)

TABLE 50 NITROGEN- AND PHOSPHATE-BASED FERTILIZER PRODUCTION IN 2016 (000' TONS)

TABLE 51 REST OF ASIA PACIFIC: FERTILIZER CATALYSTS MARKET SIZE, BY FERTILIZER PRODUCTION PROCESS, 2016–2023 (USD MILLION)

TABLE 52 REST OF ASIA PACIFIC: FERTILIZER CATALYSTS MARKET SIZE, BY METAL GROUP, 2016–2023 (USD MILLION)

TABLE 53 SOUTH AMERICA: FERTILIZER CATALYSTS MARKET SIZE, BY COUNTRY, 2016–2023 (USD MILLION)

TABLE 54 SOUTH AMERICA: FERTILIZER CATALYSTS MARKET SIZE, BY FERTILIZER PRODUCTION PROCESS, 2016–2023 (USD MILLION)

TABLE 55 SOUTH AMERICA: FERTILIZER CATALYSTS MARKET SIZE, BY METAL GROUP, 2016–2023 (USD MILLION)

TABLE 56 SOUTH AMERICA: FERTILIZER CATALYSTS MARKET SIZE, BY FERTILIZER APPLICATION, 2016–2023 (USD MILLION)

TABLE 57 BRAZIL: FERTILIZER CATALYSTS MARKET SIZE, BY FERTILIZER PRODUCTION PROCESS, 2016–2023 (USD MILLION)

TABLE 58 BRAZIL: FERTILIZER CATALYSTS MARKET SIZE, BY METAL GROUP, 2016–2023 (USD MILLION)

TABLE 59 ARGENTINA: FERTILIZER CATALYSTS MARKET SIZE, BY FERTILIZER PRODUCTION PROCESS, 2016–2023 (USD MILLION)

TABLE 60 ARGENTINA: FERTILIZER CATALYSTS MARKET SIZE, BY METAL GROUP, 2016–2023 (USD MILLION)

TABLE 61 REST OF SOUTH AMERICA: FERTILIZER CATALYSTS MARKET SIZE, BY FERTILIZER PRODUCTION PROCESS, 2016–2023 (USD MILLION)

TABLE 62 REST OF SOUTH AMERICA: FERTILIZER CATALYSTS MARKET SIZE, BY METAL GROUP, 2016–2023 (USD MILLION)

TABLE 63 ROW: FERTILIZER CATALYSTS MARKET SIZE, BY REGION, 2016–2023 (USD MILLION)

TABLE 64 ROW: FERTILIZER CATALYSTS MARKET SIZE, BY FERTILIZER PRODUCTION PROCESS, 2016–2023 (USD MILLION)

TABLE 65 ROW: FERTILIZER CATALYSTS MARKET SIZE, BY METAL GROUP, 2016–2023 (USD MILLION)

TABLE 66 ROW: FERTILIZER CATALYSTS MARKET SIZE, BY FERTILIZER APPLICATION, 2016–2023 (USD MILLION)

TABLE 67 MIDDLE EAST: FERTILIZER CATALYSTS MARKET SIZE, BY FERTILIZER PRODUCTION PROCESS, 2016–2023 (USD MILLION)

TABLE 68 MIDDLE EAST: FERTILIZER CATALYSTS MARKET SIZE, BY METAL GROUP, 2016–2023 (USD MILLION)

TABLE 69 AFRICA: FERTILIZER CATALYSTS MARKET SIZE, BY FERTILIZER PRODUCTION PROCESS, 2016–2023 (USD MILLION)

TABLE 70 AFRICA: FERTILIZER CATALYSTS MARKET SIZE, BY METAL GROUP, 2016–2023 (USD MILLION)

TABLE 71 AGREEMENTS, COLLABORATIONS, PARTNERSHIPS, AND JOINT VENTURES, 2013–2018

TABLE 72 EXPANSIONS & INVESTMENTS, 2013–2018

TABLE 73 MERGERS & ACQUISITIONS, 2013–2018

TABLE 74 NEW PRODUCT/TECHNOLOGY LAUNCHES, 2013-2018

List Of Figures

LIST OF FIGURES

FIGURE 1 FERTILIZER CATALYSTS: MARKET SEGMENTATION

FIGURE 2 FERTILIZER CATALYSTS: REGIONAL SEGMENTATION

FIGURE 3 FERTILIZER CATALYSTS: RESEARCH DESIGN

FIGURE 4 BREAKDOWN OF PRIMARY INTERVIEWS: BY COMPANY TYPE, DESIGNATION, AND REGION

FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

FIGURE 6 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

FIGURE 7 DATA TRIANGULATION METHODOLOGY

FIGURE 8 FERTILIZER CATALYSTS MARKET, BY FERTILIZER PRODUCTION PROCESS, 2018 VS. 2023

FIGURE 9 FERTILIZER CATALYSTS MARKET SHARE, BY KEY METAL CATALYST, 2017

FIGURE 10 FERTILIZER CATALYSTS MARKET, BY FERTILIZER APPLICATION, 2017

FIGURE 11 FERTILIZER CATALYSTS MARKET: REGIONAL SNAPSHOT

FIGURE 12 EXPANSION OF PRODUCTION FACILITIES IN ASIA IS PROJECTED TO MAINTAIN THE STEADY GROWTH OF FERTILIZER CATALYSTS MARKET

FIGURE 13 BASE METALS WERE THE MOST PREFERRED CATALYSTS FOR FERTILIZER PRODUCTION IN 2017

FIGURE 14 ASIA PACIFIC: STRONG DEMAND FOR CATALYSTS AMONG AMMONIA FERTILIZER MANUFACTURERS IN 2017

FIGURE 15 ASIA PACIFIC WITNESSED THE HIGHEST DEMAND FOR FERTILIZER CATALYSTS

IN BOTH AMMONIA AND PHOSPHATE PRODUCTION IN 2017

FIGURE 16 RUSSIA AND INDIA ARE PROJECTED TO WITNESS SIMILAR GROWTH DURING THE FORECAST PERIOD

FIGURE 17 PRODUCTION OF NITROGEN FERTILIZERS, 2011–2016 (MILLION TONS)

FIGURE 18 TOP 4 NITROGEN FERTILIZER EXPORTERS, 2013–2017 (MMT)

FIGURE 19 TOP 4 NITROGEN FERTILIZER IMPORTERS, 2013–2017 (MMT)

FIGURE 20 FLUCTUATIONS IN NATURAL GAS AND FERTILIZER PRICES, 2000–2018

FIGURE 21 FERTILIZER CATALYSTS MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

FIGURE 22 CATALYST ACTIVITY IN AMMONIA PRODUCTION

FIGURE 23 RISE IN EMISSIONS FROM FERTILIZER MANUFACTURERS, 2011–2014

FIGURE 24 COMPARISON OF EMISSIONS FROM NON-CATALYST AND CATALYST PROCEDURES

FIGURE 25 ORGANIC AGRICULTURE GROWTH, 2000–2015 (MILLION HECTARES)

FIGURE 26 FERTILIZER DEMAND OF EACH AGRICULTURAL REGION, 2014–2018 (MMT)

FIGURE 27 DECLINING COMMODITY PRICES COMPLEMENTED WITH LOWER FARM INCOMES, 2010–2017

FIGURE 28 NUMBER OF APPROVED PATENTS FOR FERTILIZER CATALYSTS, BY KEY PATENT HOLDERS, 2016–2018

FIGURE 29 FERTILIZER CATALYSTS MARKET SIZE, BY FERTILIZER PRODUCTION PROCESS, 2018 VS. 2023 (USD MILLION)

FIGURE 30 FERTILIZER CATALYSTS MARKET SIZE, BY METAL GROUP, 2018 VS. 2023 (USD MILLION)

FIGURE 31 FERTILIZER CATALYSTS MARKET SIZE, BY FERTILIZER APPLICATION, 2018 VS. 2023 (USD MILLION)

FIGURE 32 CHINA WAS A DOMINANT MARKET FOR FERTILIZER CATALYSTS IN 2017

FIGURE 33 NORTH AMERICA: REGIONAL SNAPSHOT

FIGURE 34 ASIA PACIFIC: REGIONAL SNAPSHOT

FIGURE 35 FERTILIZER CATALYSTS MARKET (GLOBAL): COMPETITIVE LEADERSHIP

MAPPING, 2018

FIGURE 36 COMPANY RANKINGS, 2018

FIGURE 37 CLARIANT INTERNATIONAL: COMPANY SNAPSHOT

FIGURE 38 CLARIANT INTERNATIONAL: SWOT ANALYSIS

FIGURE 39 DOWDUPONT: COMPANY SNAPSHOT

FIGURE 40 DOWDUPONT: SWOT ANALYSIS

FIGURE 41 PDIL: COMPANY SNAPSHOT

FIGURE 42 PDIL: SWOT ANALYSIS

FIGURE 43 LKAB MINERALS: COMPANY SNAPSHOT

FIGURE 44 JOHNSON MATTHEY: COMPANY SNAPSHOT

FIGURE 45 HALDOR TOPSOE: COMPANY SNAPSHOT

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