

# Industrial Detergents: Global Markets to 2022

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## Abstracts

### REPORT SCOPE:

This report represents an in-depth analysis of the global industrial detergents market by substrate, application and region using different commercially available industrial detergents to drive specific market estimates. Included is an overview of global market scenarios of industrial detergents and analyzes global market trends, with market data from 2016, considering 2016 as the base year and estimates for 2017 to 2022 with projections of compound annual growth rate (CAGR) in the forecast period.

The report consists of a segment based on substrate type such as synthetic industrial detergent and bio-based industrial detergent, their global markets and a regional breakdown are also covered. The synthetic industrial detergents are further classified as cationic synthetic industrial detergent, anionic synthetic industrial detergent, nonionic synthetic industrial detergent and amphoteric synthetic industrial detergent and others. Anionic synthetic industrial detergents are further broken down into four major types depending upon the material used in production. The base production material for detergents can be linear alkylbenzene sulfonates, secondary alkane sulfonate, alpha olefin sulfonates, methyl ester sulfonates. Nonionic synthetic industrial detergents are divided into four types, alcohol, ethoxylates, alkyl phenol ethoxylates, amine oxides.

Bio-based detergents come in two variants: chemically synthesized detergents and bio-based detergents. The report covers their global markets and regional growth.

Furthermore, the industrial detergents market is segregated on the basis of region and application. The major applications of industrial detergents are manufacturing and commercial offices, healthcare, commercial laundry, food and beverage, transportation cleaning and others including agriculture, kitchen and catering, technical cleaning, building care, metal cleaners, floor and carpet care, janitorial cleaners and

electronic/precision cleaner.

Also included is a discussion of the major players in the market. Further, it explains the major drivers and regional dynamics of the industrial detergents market and current trends within the industry. The report concludes special focus on the vendor landscape and includes detailed profiles of the major vendors in the global industrial detergents market.

The report also details a comparative study between conventional and emerging technologies and the importance of technical advances to this market and strategies adopted by major global players.

The estimated values are based on manufacturers' total revenues. Projected and forecasted revenue values are in constant U.S. dollars unadjusted for inflation.

## **REPORT INCLUDES:**

77 tables

A comprehensive overview and an in-depth analysis of the global industrial detergents market

Analyses of global market trends, with data from 2016 and 2017, and projections of compound annual growth rates (CAGRs) through 2022

An examination of market dynamics regarding restraints and opportunities and key developments within the industry

Company profiles of leading market players, including Ashland, Croda International Plc, Huntsman International Llc, Kao Corporation, Stepan Company and The Dow Chemical Company

## **SUMMARY**

Industrial detergents constitute of surfactant, builder, acids, bases, solvents, alkanol amides, dyes, preservatives, ingestion deterrents and several other ingredients for effective cleaning in the industrial application. They are used to enhance the cleaning efficiency of products, particularly water-based. Industrial detergents ease the surface

tension of liquids and can modify, disperse, and emulsify the lubricity of water-based compositions.

Industrial detergents are surface-active agents used in emulsifying, wetting, dispersing, cleaning, and for foaming in anti-foaming agents. They are also used in applications such as manufacturing and commercial offices, healthcare, commercial laundry, food and beverage, transportation cleaning and other applications including oil and gas, cosmetics, metal and degreasers, paper and pulp industry, leather industry, mining and metals and several other applications.

In the above-mentioned applications, the industrial detergents are primarily used to decrease the surface tension in between two interfaces such as liquid-gas, liquid-liquid, and liquid-solid. They have multiple functions and are more effective than commodity detergents. Owing to their cleaning properties, industrial detergents are commonly used in manufacturing and commercial offices and healthcare and commercial laundry application.

Industrialization and urbanization in India and China, along with the increasing awareness regarding workplace hygiene, has resulted in significant growth of the industrial detergents market in the Asia- Pacific region.

In terms of substrates, the market is divided into synthetic and bio-based industrial detergents. Low pricing has resulted in synthetic industrial detergents holding a huge market share. However, increasing environmental concerns globally has resulted in increased demand for bio-based detergents. Traditional petroleum-based detergents, which have very harmful effects on the environment, are used mostly by manufacturers because of its price advantage over bio-based detergents. Petroleum-based detergents do not degrade and instead contaminate the soil and marine areas where the industrial wastes are dumped. The governments of many countries are establishing laws and regulations to enforce manufactures to shift use to bio-detergents and cease the use of traditional detergents. Bio-based detergents are completely biodegradable and not toxic. Many experiments show that bio-detergents are better in functionality than traditional detergents.

Despite bio-based detergents being a good substitute for synthetic detergents, they are not widely used by the manufactures because of the high cost of producing bio-based detergents. The molecules of each produced bio-detergents have different properties and thus can be used for different applications.

There are several factors driving the growth of the global market including the increasing requirements for hygiene in commercial sectors, increasing demands from the textile industry, and increasing demands from oil and gas industries. Presently, the market has also witnessed several ongoing trends such as the increasing adoption of environmental friendly products and application of rhamnolipids for cleaning diesel particulate filters.

## Contents

### **CHAPTER 1 INTRODUCTION**

Introduction  
Study Goals and Objectives  
Reason for Doing This Study  
Scope of the Report  
Methodology and Information Sources  
Geographic Breakdown  
Analyst's Credentials  
Related BCC Research Reports

### **CHAPTER 2 SUMMARY AND HIGHLIGHTS**

### **CHAPTER 3 MARKET AND TECHNOLOGY BACKGROUND**

Adoption of Industrial Detergents  
Introduction to Industrial Detergents  
Composition of Industrial Detergents  
Surfactants  
Builders  
Acids  
Bases  
Solvents  
Alkanolamides  
Hydrotropes  
Dyes  
Preservatives  
Ingestion Detergents  
Industrial Detergents Ingredients  
Supply Chain Participants

### **CHAPTER 4 MARKET OVERVIEW**

Introduction  
Factors Driving the Growth of Industrial Detergents Market  
Increasing Hygiene Awareness in Commercial Sectors  
Increasing Demand from the Textile Industry

Increasing Demand from Oil and Gas Industries  
Growth in Global Industrial Waste Has Led to Increased Availability of Feedstock for Bio-Based Industrial Detergents  
Factors Impeding the Growth of the Industrial Detergents Market  
Volatility in Crude Oil Prices  
Increasing Environmental Regulations  
Expense of Bio-Based Industrial Detergents  
Major Trends Observed  
Adoption of Environmentally Friendly Products  
Application of Rhamnolipids for Cleaning Diesel Particulate Filter

## **CHAPTER 5 MARKET BREAKDOWN BY SUBSTRATE**

Overview  
Synthetic Industrial Detergent  
Chemical Classification of Synthetic Industrial Detergents  
Market Size Estimation and Forecast  
Bio-Based Industrial Detergents  
Overview of Bio-Based Industrial Detergents  
Classification of Bio-Based Industrial Detergents  
Market Size Estimation and Forecast

## **CHAPTER 6 MARKET BREAKDOWN BY APPLICATION**

Overview  
Market Size Estimation & Forecast  
Manufacturing and Commercial Offices  
Introduction  
Market Size Estimation & Forecast  
Healthcare  
Introduction  
Market Size Estimation and Forecast  
Commercial Laundry  
Introduction  
Market Size Estimation and Forecast  
Food and Beverage  
Introduction  
Market Size Estimation and Forecast  
Transportation Cleaning

Introduction  
Market Size Estimation and Forecast  
Other Applications  
Introduction  
Market Size Estimation & Forecast

## **CHAPTER 7 MARKET BREAKDOWN BY REGION**

Overview  
Asia-Pacific  
Asia-Pacific Industrial Detergents Market Overview  
GDP Growth, China VS. India VS. World, 2005-2016  
Driving Factors For Asia-Pacific Industrial Detergents Market  
Asia-Pacific Industrial Detergents Market, by Application  
Asia-Pacific Industrial Detergents Market, by Substrate  
China Industrial Detergents Market  
India Industrial Detergents Market  
Japan Industrial Detergents Market  
Rest of Asia-Pacific Industrial Detergents Market  
Europe  
Europe Industrial Detergents Market Overview  
Annual GDP Growth, European Union VS. World, 2005-2016  
Driving Factors For Europe Industrial Detergents Market  
Europe Industrial Detergents Market, by Application  
Germany Industrial Detergents Market  
The U.K. Industrial Detergents Market  
France Industrial Detergents Market  
Rest of Europe Industrial Detergents Market  
North America  
North America Industrial Detergents Market Overview  
Annual GDP Growth, North America, 2005-2016  
Driving Factors For North America Industrial Detergents Market  
North America Industrial Detergents Market, by Application  
The U.S. Industrial Detergents Market  
Canada Industrial Detergents Market  
Mexico Industrial Detergents Market  
Rest of the World (RoW)  
RoW Industrial Detergents Market Overview  
GDP Growth, Brazil, VS. Chile VS. World, 2005-2016

Driving Factors for RoW Industrial Detergents Market  
Row Industrial Detergents Market, by Application  
Middle East and Africa Industrial Detergents Market  
South America Industrial Detergents Market

## **CHAPTER 8 COMPETITIVE LANDSCAPE**

Industry Structure and Overview  
Strategies Adopted by Market Players in the Industrial Detergents Market  
News Pertaining to Industrial Detergents Market

## **CHAPTER 9 COMPANY PROFILES**

### **AGAR CLEANING SYSTEMS**

Business Overview

### **ASHLAND**

Business Overview

Products and Services

Financials

### **BASF SE**

Business Overview

Products and Services

Financials

### **CRODA INTERNATIONAL PLC**

Business Overview

Products and Services

Financials

### **HUNTSMAN INTERNATIONAL LLC**

Business Overview

Products and Services

Financials

### **KAO CORPORATION**

Business Overview

Products and Services

### **LONZA GROUP LTD.**

Business Overview

### **PETRO RABIGH**

Business Overview

### **SAUDI INDUSTRIAL DETERGENTS COMPANY**



Business Overview

STEPAN COMPANY

Business Overview

Products and Services

Financials

SOLVAY

Business Overview

Products and Services

Financials

THE DOW CHEMICAL COMPANY

Business Overview

Products and Services

Financials

THE CLOROX COMPANY

Business Overview

## **CHAPTER 10 APPENDIX: LIST OF ABBREVIATIONS**

## List Of Tables

### LIST OF TABLES

Summary Table A: Global Industrial Detergents Market Volume, by Region, Through 2022

Summary Table B: Global Industrial Detergents Market, by Region, Through 2022

Table 1: Composition of Industrial Detergents

Table 2: Global Industrial Detergents Market Volume, by Application, Through 2022

Table 3: Global Industrial Detergents Market, by Application, Through 2022

Table 4: Global Market Volume for Synthetic Industrial Detergents, by Region, Through 2022

Table 5: Global Market for Synthetic Industrial Detergents, by Region, Through 2022

Table 6: Global Market Volume for Bio-based Industrial Detergents, by Region, Through 2022

Table 7: Global Market for Bio-based Industrial Detergents, by Region, Through 2022

Table 8: Application of Industrial Detergents Across Various Industries

Table 9: Global Market Volume for Industrial Detergents, by Application, Through 2022

Table 10: Global Market for Industrial Detergents by Application, Through 2022

Table 11: Global Market Volume for Industrial Detergents in Manufacturing and Commercial Offices, by Region, Through 2022

Table 12: Global Market for Industrial Detergents in Manufacturing and Commercial Offices, by Region, Through 2022

Table 13: Global Market Volume for Industrial Detergents in Healthcare, by Region, Through 2022

Table 14: Global Market for Industrial Detergents in Healthcare, by Region, Through 2022

Table 15: Global Market Volume for Industrial Detergents in Commercial Laundry, by Region, Through 2022

Table 16: Global Market for Industrial Detergents in Commercial Laundry, by Region, Through 2022

Table 17: Global Market Volume for Industrial Detergents in Food and Beverage, by Region, Through 2022

Table 18: Global Market for Industrial Detergents in Food and Beverage, by Region, Through 2022

Table 19: Global Market Volume for Industrial Detergents in Transportation Cleaning, by Region, Through 2022

Table 20: Global Market for Industrial Detergents in Transportation Cleaning, by Region, Through 2022

Table 21: Global Market Volume for Industrial Detergents in Other Applications, by Region, Through 2022

Table 22: Global Market for Industrial Detergents in Other Applications, by Region, Through 2022

Table 23: Global Market Volume for Industrial Detergents, by Region, Through 2022

Table 24: Global Market for Industrial Detergents, by Region, Through 2022

Table 25: Asia-Pacific Industrial Detergents Market Volume, by Application, Through 2022

Table 26: Asia-Pacific Industrial Detergents Market, by Application, Through 2022

Table 27: China Industrial Detergents Market Volume, by Application, Through 2022

Table 28: China Industrial Detergents Market, by Application, Through 2022

Table 29: India Industrial Detergents Market Volume, by Application, Through 2022

Table 30: India Industrial Detergents Market, by Application, Through 2022

Table 31: Japan Industrial Detergents Market Volume, by Application, Through 2022

Table 32: Japan Industrial Detergents Market, by Application, Through 2022

Table 33: Rest of Asia-Pacific Industrial Detergents Market Volume, by Application, Through 2022

Table 34: Rest of Asia-Pacific Industrial Detergents Market, by Application, Through 2022

Table 35: Number of Companies which are Active in the Industrial and Institutional Cleaning

Table 36: Europe Industrial Detergents Market Volume, by Application, Through 2022

Table 37: Europe Industrial Detergents Market, by Application, Through 2022

Table 38: Germany Industrial Detergents Market Volume, by Application, Through 2022

Table 39: `Germany Industrial Detergents Market, by Application, Through 2022

Table 40: The U.K. Industrial Detergents Market Volume, by Application, Through 2022

Table 41: The U.K. Industrial Detergents Market, by Application, Through 2022

Table 42: France Industrial Detergents Market Volume, by Application, Through 2022

Table 43: France Industrial Detergents Market, by Application, Through 2022

Table 44: Rest of Europe Industrial Detergents Market Volume, by Application, Through 2022

Table 45: Rest of Europe Industrial Detergents Market, by Application, Through 2022

Table 46: North America Industrial Detergents Market, by Application, Through 2022

Table 47: North America Industrial Detergents Market, by Application, Through 2022

Table 48: The U.S. Industrial Detergents Market Volume, by Application, Through 2022

Table 49: The U.S. Industrial Detergents Market, by Application, Through 2022

Table 50: Canada Industrial Detergents Market Volume, by Application, Through 2022

Table 51: Canada Industrial Detergents Market, by Application, Through 2022

Table 52: Mexico Industrial Detergents Market Volume, by Application, Through 2022

Table 53: Mexico Industrial Detergents Market, by Application, Through 2022

Table 54: RoW Industrial Detergents Market Volume, by Application, Through 2022

Table 55: RoW Industrial Detergents Market, by Application, Through 2022

Table 56: Middle East and Africa Industrial Detergents Market Volume, by Application, Through 2022

Table 57: Middle East and Africa Industrial Detergents Market, by Application, Through 2022

Table 58: South America Industrial Detergents Market Volume, by Application, Through 2022

Table 59: South America Industrial Detergents Market, by Application, Through 2022

Table 60: Strategies Adopted by Market Players in the Industrial Detergents Market

Table 61: News Pertaining to Industrial Detergents Market

Table 62: Products: Ashland

Table 63: Ashland: Company Financials, 2015-2017

Table 64: Products: BASF SE

Table 65: BASF SE: Company Financials, 2015-2016

Table 66: Products: Croda International Plc

Table 67: Croda International Plc Company Financials, 2015-2016

Table 68: Products: Huntsman International LLC

Table 69: Huntsman International LLC Company Financials, 2015-2016

Table 70: Products: Kao corporation

Table 71: Products: Stepan Company

Table 72: Stepan Company Financials, 2014-2016

Table 73: Products: Solvay

Table 74: Solvay Company Financials, 2015-2016

Table 75: Products: The Dow Chemical Company

Table 76: The Dow Chemical: Company Financials, 2014-2016

## List Of Figures

### LIST OF FIGURES

Summary Figure A: Global Industrial Detergents Market Volume, by Region, 2016-2022

Summary Figure B: Global Industrial Detergents Market, by Region, 2016-2022

Figure 1: The Basis of Industrial Detergents

Figure 2: Supply Chain Participants

Figure 3: Major Suppliers of Textiles and Apparel, by Country

Figure 4: Types of Substrates Used for Production of Bio-Detergents

Figure 5: Global Market Share for Industrial Detergents by Substrate, 2016

Figure 6: Global Synthetic Industrial Detergents, by Region, 2016-2022

Figure 7: Global Market Volume Share for Synthetic Industrial Detergents, by Region, 2016

Figure 8: Global Bio-Based Industrial Detergents Market, by Region, 2016-2022

Figure 9: Global Market Volume Share for Bio-based Industrial Detergents, by Region, 2016

Figure 10: Global Market Volume Share for Industrial Detergents, 2016

Figure 11: Global Market Volume Share for Industrial Detergents in Manufacturing and Commercial Application by Region, 2016

Figure 12: Global Market for Industrial Detergents in Manufacturing and Commercial Offices, by Region, 2016-2022

Figure 13: Global Market Volume Share for Industrial Detergents in Healthcare Application, by Region, 2016

Figure 14: Global Market for Industrial Detergents in Healthcare, by Region, 2016-2022

Figure 15: Global Market Volume Share for Industrial Detergents in Commercial Laundry Application, by Region, 2016

Figure 16: Global Market for Industrial Detergents in Commercial Laundry, by Region, 2016-2022

Figure 17: Global Market Volume Share for Industrial Detergents in Food and Beverage Application by Region, 2016

Figure 18: Global Market for Industrial Detergents in Food and Beverage, by Region, 2016-2022

Figure 19: Global Market Volume Share for Industrial Detergents in Transportation Cleaning Application, by Region 2016

Figure 20: Global Market for Industrial Detergents in Transportation Cleaning, by Region, 2016-2022

Figure 21: Global Market Volume Share for Industrial Detergents in Other Applications, by Region, 2016

Figure 22: Global Market for Industrial Detergents in Other Applications, by Region, 2016-2022

Figure 23: Global Market Volume Share for Industrial Detergents by Region, 2016

Figure 24: Asia-Pacific Industrial Detergents Market Share, by Country, 2016

Figure 25: Annual GDP Growth, China VS. India VS. World, 2005-2016

Figure 26: Asia-Pacific Industrial Detergents Market Share, by Application, 2016

Figure 27: Asia-Pacific Industrial Detergents Market, by Substrate, 2016-2022

Figure 28: China Industrial Detergents Market, by Application, 2016-2022

Figure 29: India Industrial Detergents Market, by Application, 2016-2022

Figure 30: Japan Industrial Detergents Market, by Application, 2016-2022

Figure 31: Rest of Asia-Pacific Industrial Detergents Market, by Application, 2016-2022

Figure 32: Europe Industrial Detergents Market Share, by Country, 2016

Figure 33: Annual GDP Growth, European Union VS. World, 2005-2016

Figure 34: Europe Industrial Detergents Market Share, by Application, 2016

Figure 35: Europe Industrial Detergents Market, by Application, 2016-2022

Figure 36: Germany Industrial Detergents Market, by Application, 2016-2022

Figure 37: The U.K. Industrial Detergents Market, by Application, 2016-2022

Figure 38: France Industrial Detergents Market, by Application, 2016-2022

Figure 39: Rest of Europe Industrial Detergents Market, by Application, 2016-2022

Figure 40: North America Industrial Detergents Market Share, by Country, 2016

Figure 41: Annual GDP Growth, North America, 2005-2016

Figure 42: North America Industrial Detergents Market Share, by Application, 2016

Figure 43: North America Industrial Detergents Market, by Application, 2016-2022

Figure 44: The U.S. Industrial Detergents Market, by Application, 2016-2022

Figure 45: The U.S. Industrial Detergents Market, by Application, 2016-2022

Figure 46: Mexico Industrial Detergents Market, by Application, 2016-2022

Figure 47: RoW Industrial Detergents Market Share, by Continent, 2016

Figure 48: GDP Growth, Brazil, VS. Chile VS. World, 2005-2016

Figure 49: RoW Industrial Detergents Market Share, by Application, 2016

Figure 50: RoW Industrial Detergents Market, by Application, 2016-2022

Figure 51: Middle East and Africa Industrial Detergents Market, by Application, 2016-2022

Figure 52: South America Industrial Detergents Market, by Application, 2016-2022

Figure 53: Ashland.: Revenue by Business Segment, 2016

Figure 54: Ashland: Revenue Share by Region, 2016

Figure 55: BASF SE: Revenue Share by Business Segment, 2016

Figure 56: BASF SE: Revenue Share by Region, 2016

Figure 57: Croda International Plc.: Revenue by Business Segment, 2016

Figure 58: Croda International Plc: Revenue Share by Region, 2016

Figure 59: Huntsman International LLC: Revenue by Region, 2016

Figure 60: Kao Corporation: Revenue by Business Segment, 2016

Figure 61: Stepan Company: Revenue by Business Segment, 2016

Figure 62: Stepan Company: Revenue by Region, 2016

Figure 63: Solvay: Revenue by Business Segment, 2016

Figure 64: Solvay: Revenue share by Region

Figure 65: The Dow Chemical Company: Revenue by Business Segment, 2016

Figure 66: The Dow Chemical Company: Revenue share by Region, 2016

## **COMPANIES MENTIONED**

AGAR CLEANING SYSTEMS

ASHLAND

BASF SE

CRODA INTERNATIONAL PLC

HUNTSMAN INTERNATIONAL LLC

KAO CORPORATION

LONZA GROUP LTD.

PETRO RABIGH

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