

# Phase Transfer Catalyst Market by Type (Ammonium Salts, Phosphonium Salts), End-use Industry (Pharmaceuticals, Agrochemicals), and Region (North America, Europe, Asia Pacific, Middle East & Africa, and South America) - Global Forecast to 2023

<https://marketpublishers.com/r/P5F287D0E81EN.html>

Date: February 2019

Pages: 97

Price: US\$ 5,650.00 (Single User License)

ID: P5F287D0E81EN

## Abstracts

Rising demand and adoption of green chemistry in organic synthesis is expected to drive the growth of the phase transfer catalyst market across the globe.

The phase transfer catalyst market is projected to grow from USD 960 million in 2018 to USD 1,232 million by 2023, at a Compound Annual Growth Rate (CAGR) of 5.1% during the forecast period from 2018 to 2023. Rising demand and adoption of green chemistry in organic synthesis is expected to drive the growth of the market during the forecast period. However, the availability of low-cost industrial catalysts is expected to restrain the growth of the market.

The ammonium salts segment is projected to lead the phase transfer catalyst market during the forecast period.

Based on type, the phase transfer catalyst market has been categorized into ammonium salts, phosphonium salts, and others. The ammonium salts segment is projected to lead the market from 2018 to 2023. The growth of this segment can be attributed to the increased use of ammonium salts as onium salts for chemical synthesis due to their lower costs as compared to other phase transfer catalysts. Ammonium salts are widely used across various end-use industries such as pharmaceuticals and agrochemicals.

The pharmaceuticals segment of the phase transfer catalyst market is projected to grow at the highest CAGR from 2018 to 2023.

Phase transfer catalysts are widely used in the pharmaceuticals end-use industry for synthesis, formulation, and laboratory applications as they accelerate the rate of reaction to form chemical derivatives. This leads to increased demand for positive catalysts to boost R&D and formulation activities in pharmaceuticals end-use industry. As North America and Europe are the largest markets for pharmaceuticals, this has led to the growth of the pharmaceuticals segment of the phase transfer catalyst market in these regions. In addition, growing demand for pharmaceuticals from Asia Pacific and the Middle East & Africa is also expected to drive the growth of the pharmaceuticals segment of the phase transfer catalyst market during the forecast period.

The North American region is projected to lead the phase transfer catalyst market during the forecast period.

The North American region is projected to lead the phase transfer catalyst market during the forecast period due to ongoing R&D activities in the field of the phase transfer catalysis in the region. In addition, the region is expected to be the first to implement regulations in the coming years to promote the adoption of green chemistry in organic synthesis. The growth of the phase transfer catalyst market in the North American region is driven by the increased demand for these catalysts from countries such as the US, Canada, and Mexico, owing to rising preference for green chemistry compounds in different end-use industries.

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 phase transfer catalyst marketplace.

By Company Type: Tier 1 – 16%, Tier 2 – 36%, and Tier 3 – 48%

By Designation: C Level Executives – 16%, Directors – 24%, and Others – 60%

By Region: North America – 20%, Europe – 24%, Asia Pacific – 36%, and RoW – 20%

The phase transfer catalyst market comprises key players such as SACHEM Inc. (US), Tokyo Chemical Industry Co., Ltd. (Japan), Nippon Chemical Industrial Co., Ltd. (Japan), Dishman Group (India), PAT IMPEX (India), Tatva Chintan Pharma Chem Pvt. Ltd. (India), and Volant-Chem Corp. (China).

## Research Coverage

The market study covers the phase transfer catalyst market across different segments. It aims at estimating the market size and growth potential of this market across different segments based on type, end-use industry, and region. The study also includes an in-depth competitive analysis of the key players in the market, along with their company profiles, key observations related to their product and business offerings, recent developments undertaken by them, and key market strategies adopted by them.

## Key Benefits of Buying the Report

The report is expected to help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the phase transfer catalyst market and its segments. This report is also expected to help stakeholders understand the competitive landscape of the market and gain insights to improve the position of their businesses and plan suitable go-to-market strategies. The report aims at helping stakeholders understand the pulse of the market and provide them with information on key market drivers, restraints, challenges, and opportunities.

## Contents

### 1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION
- 1.3 MARKET SEGMENTATION
  - 1.3.1 YEARS CONSIDERED FOR THE STUDY
- 1.4 CURRENCY
- 1.5 STAKEHOLDERS
- 1.6 LIMITATIONS OF THE STUDY

### 2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
  - 2.1.1 SECONDARY DATA
    - 2.1.1.1 Key data from secondary sources
  - 2.1.2 PRIMARY DATA
    - 2.1.2.1 Key data from primary sources
    - 2.1.2.2 Key industry insights
    - 2.1.2.3 Breakdown of primary interviews
- 2.2 MARKET SIZE ESTIMATION
  - 2.2.1 TOP-DOWN APPROACH
  - 2.2.2 BOTTOM-UP APPROACH
- 2.3 DATA TRIANGULATION
- 2.4 ASSUMPTIONS

### 3 EXECUTIVE SUMMARY

### 4 PREMIUM INSIGHTS

- 4.1 ATTRACTIVE OPPORTUNITIES IN THE PHASE TRANSFER CATALYST MARKET
- 4.2 PHASE TRANSFER CATALYST MARKET, BY REGION
- 4.3 NORTH AMERICA PHASE TRANSFER CATALYST MARKET, BY TYPE AND COUNTRY
- 4.4 PHASE TRANSFER CATALYST MARKET: MAJOR COUNTRIES
- 4.5 PHASE TRANSFER CATALYST MARKET, BY END-USE INDUSTRY AND REGION

## **5 MARKET OVERVIEW**

### 5.1 INTRODUCTION

### 5.2 MARKET DYNAMICS

#### 5.2.1 DRIVERS

5.2.1.1 Rising demand and adoption of green chemistry in organic synthesis

#### 5.2.2 RESTRAINTS

5.2.2.1 Availability of low-cost industrial catalysts

#### 5.2.3 OPPORTUNITIES

5.2.3.1 Scope for vertical and backward integration in the market

#### 5.2.4 CHALLENGES

5.2.4.1 Technological advancements in chemical synthesis to reduce catalyst consumption

### 5.3 VALUE CHAIN ANALYSIS

### 5.4 PORTER'S FIVE FORCES ANALYSIS

#### 5.4.1 THREAT OF NEW ENTRANTS

#### 5.4.2 THREAT OF SUBSTITUTES

#### 5.4.3 BARGAINING POWER OF SUPPLIERS

#### 5.4.4 BARGAINING POWER OF BUYERS

#### 5.4.5 INTENSITY OF COMPETITIVE RIVALRY

### 5.5 MACROECONOMIC INDICATORS

#### 5.5.1 PHARMACEUTICALS

## **6 PHASE TRANSFER CATALYST MARKET, BY TYPE**

### 6.1 INTRODUCTION

### 6.2 AMMONIUM SALTS

### 6.3 PHOSPHONIUM SALTS

### 6.4 OTHERS

#### 6.4.1 CROWN ETHERS

#### 6.4.2 CRYPTANDS

## **7 PHASE TRANSFER CATALYST MARKET, BY END-USE INDUSTRY**

### 7.1 INTRODUCTION

### 7.2 PHARMACEUTICALS

#### 7.2.1 ACTIVE PHARMACEUTICAL INGREDIENT (API)

#### 7.2.2 DRUG FORMULATION

7.3 AGROCHEMICALS

7.4 OTHERS

## **8 REGIONAL ANALYSIS**

8.1 INTRODUCTION

8.2 NORTH AMERICA

8.2.1 US

8.2.2 CANADA

8.2.3 MEXICO

8.3 EUROPE

8.3.1 GERMANY

8.3.2 ITALY

8.3.3 UK

8.3.4 SWITZERLAND

8.3.5 FRANCE

8.3.6 SPAIN

8.3.7 REST OF EUROPE

8.4 ASIA PACIFIC

8.4.1 JAPAN

8.4.2 CHINA

8.4.3 INDIA

8.4.4 AUSTRALIA

8.4.5 SOUTH KOREA

8.4.6 REST OF ASIA PACIFIC

8.5 MIDDLE EAST & AFRICA

8.5.1 SAUDI ARABIA

8.5.2 UAE

8.5.3 SOUTH AFRICA

8.5.4 REST OF MIDDLE EAST & AFRICA

8.6 SOUTH AMERICA

8.6.1 BRAZIL

8.6.2 ARGENTINA

8.6.3 REST OF SOUTH AMERICA

## **9 COMPETITIVE LANDSCAPE**

9.1 OVERVIEW

9.2 COMPETITIVE LEADERSHIP MAPPING

- 9.2.1 PROGRESSIVE COMPANIES
- 9.2.2 RESPONSIVE COMPANIES
- 9.2.3 DYNAMIC COMPANIES
- 9.2.4 STARTING BLOCKS
- 9.3 RANKING OF KEY PLAYERS, 2018
- 9.4 COMPETITIVE SCENARIO
  - 9.4.1 NEW PRODUCT LAUNCHES

## **10 COMPANY PROFILES**

(Business Overview, Products Offered, Recent Developments, MnM View)\*

- 10.1 SACHEM INC.
- 10.2 TOKYO CHEMICAL INDUSTRY CO., LTD.
- 10.3 NIPPON CHEMICAL INDUSTRIAL CO., LTD.
- 10.4 DISHMAN GROUP
- 10.5 PAT IMPEX
- 10.6 TATVA CHINTAN PHARMA CHEM PVT. LTD.
- 10.7 CENTRAL DRUG HOUSE (P) LTD.
- 10.8 VOLANT-CHEM CORP.
- 10.9 PACIFIC ORGANICS PRIVATE LIMITED
- 10.10 OTTO CHEMIE PVT. LTD.

\*Details on Business Overview, Products Offered, Recent Developments, MnM View might not be captured in case of unlisted companies.

## **11 APPENDIX**

- 11.1 EXCERPTS FROM EXPERT INTERVIEWS
- 11.2 DISCUSSION GUIDE
- 11.3 KNOWLEDGE STORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL
- 11.4 AVAILABLE CUSTOMIZATIONS
- 11.5 RELATED REPORTS
- 11.6 AUTHOR DETAILS

## List Of Tables

### LIST OF TABLES

Table 1 PHASE TRANSFER CATALYST MARKET SNAPSHOT

Table 2 PHASE TRANSFER CATALYST MARKET, BY TYPE, 2016–2023 (USD MILLION)

Table 3 AMMONIUM SALTS PHASE TRANSFER CATALYST MARKET, BY REGION, 2016–2023 (USD MILLION)

Table 4 PHOSPHONIUM SALTS PHASE TRANSFER CATALYST MARKET, BY REGION, 2016–2023 (USD MILLION)

Table 5 OTHERS PHASE TRANSFER CATALYST MARKET, BY REGION, 2016–2023 (USD MILLION)

Table 6 PHASE TRANSFER CATALYST MARKET, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 7 PHASE TRANSFER CATALYST MARKET IN PHARMACEUTICALS, BY REGION, 2016–2023 (USD MILLION)

Table 8 PHASE TRANSFER CATALYST MARKET IN AGROCHEMICALS, BY REGION, 2016–2023 (USD MILLION)

Table 9 PHASE TRANSFER CATALYST MARKET IN OTHERS, BY REGION, 2016–2023 (USD MILLION)

Table 10 PHASE TRANSFER CATALYST MARKET SIZE, BY REGION, 2016–2023 (USD MILLION)

Table 11 NORTH AMERICA PHASE TRANSFER CATALYST MARKET SIZE, BY COUNTRY, 2016–2023 (USD MILLION)

Table 12 NORTH AMERICA PHASE TRANSFER CATALYST MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

Table 13 NORTH AMERICA PHASE TRANSFER CATALYST MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 14 US PHASE TRANSFER CATALYST MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 15 CANADA PHASE TRANSFER CATALYST MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 16 MEXICO PHASE TRANSFER CATALYST MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 17 EUROPE PHASE TRANSFER CATALYST MARKET SIZE, BY COUNTRY, 2016–2023 (USD MILLION)

Table 18 EUROPE PHASE TRANSFER CATALYST MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)



Table 19 EUROPE PHASE TRANSFER CATALYST MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 20 GERMANY PHASE TRANSFER CATALYST MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 21 ITALY PHASE TRANSFER CATALYST MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 22 UK PHASE TRANSFER CATALYST MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 23 SWITZERLAND PHASE TRANSFER CATALYST MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 24 FRANCE PHASE TRANSFER CATALYST MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 25 SPAIN PHASE TRANSFER CATALYST MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 26 REST OF EUROPE PHASE TRANSFER CATALYST MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 27 ASIA PACIFIC PHASE TRANSFER CATALYST MARKET SIZE, BY COUNTRY, 2016–2023 (USD MILLION)

Table 28 ASIA PACIFIC PHASE TRANSFER CATALYST MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

Table 29 ASIA PACIFIC PHASE TRANSFER CATALYST MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 30 JAPAN PHASE TRANSFER CATALYST MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 31 CHINA PHASE TRANSFER CATALYST MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 32 INDIA PHASE TRANSFER CATALYST MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 33 AUSTRALIA PHASE TRANSFER CATALYST MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 34 SOUTH KOREA PHASE TRANSFER CATALYST MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 35 REST OF ASIA PACIFIC PHASE TRANSFER CATALYST MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 36 MIDDLE EAST & AFRICA PHASE TRANSFER CATALYST MARKET SIZE, BY COUNTRY, 2016–2023 (USD MILLION)

Table 37 MIDDLE EAST & AFRICA PHASE TRANSFER CATALYST MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

Table 38 MIDDLE EAST & AFRICA PHASE TRANSFER CATALYST MARKET SIZE,

BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 39 SAUDI ARABIA PHASE TRANSFER CATALYST MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 40 UAE PHASE TRANSFER CATALYST MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 41 SOUTH AFRICA PHASE TRANSFER CATALYST MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD THOUSAND)

Table 42 REST OF THE MIDDLE EAST & AFRICA PHASE TRANSFER CATALYST MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD THOUSAND)

Table 43 SOUTH AMERICA PHASE TRANSFER CATALYST MARKET SIZE, BY COUNTRY, 2016–2023 (USD MILLION)

Table 44 SOUTH AMERICA PHASE TRANSFER CATALYST MARKET SIZE, BY TYPE, 2016–2023 (USD MILLION)

Table 45 SOUTH AMERICA PHASE TRANSFER CATALYST MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 46 BRAZIL PHASE TRANSFER CATALYST MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD MILLION)

Table 47 ARGENTINA PHASE TRANSFER CATALYST MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD THOUSAND)

Table 48 REST OF SOUTH AMERICA PHASE TRANSFER CATALYST MARKET SIZE, BY END-USE INDUSTRY, 2016–2023 (USD THOUSAND)

Table 49 NEW PRODUCT LAUNCHES, 2012-2018

## List Of Figures

### LIST OF FIGURES

Figure 1 PHASE TRANSFER CATALYST MARKET: RESEARCH DESIGN

Figure 2 PHASE TRANSFER CATALYST MARKET: TOP-DOWN APPROACH

Figure 3 PHASE TRANSFER CATALYST MARKET: BOTTOM-UP APPROACH

Figure 4 PHASE TRANSFER CATALYST MARKET: DATA TRIANGULATION

Figure 5 PHASE TRANSFER CATALYST MARKET, BY TYPE, 2018 & 2023 (USD MILLION)

Figure 6 PHASE TRANSFER CATALYST MARKET, BY END-USE INDUSTRY, 2018 & 2023 (USD MILLION)

Figure 7 NORTH AMERICA ACCOUNTED FOR THE LARGEST SHARE OF THE PHASE TRANSFER CATALYST MARKET IN 2017

Figure 8 INCREASING DEMAND FOR PHASE TRANSFER CATALYSTS FROM VARIOUS END-USE INDUSTRIES PROJECTED TO FUEL THE GROWTH OF THE MARKET

Figure 9 ASIA PACIFIC PHASE TRANSFER CATALYST MARKET PROJECTED TO GROW AT THE HIGHEST CAGR FROM 2018 TO 2023

Figure 10 AMMONIUM SALTS SEGMENT AND THE US ACCOUNTED FOR THE LARGEST SHARES OF THE NORTH AMERICA PHASE TRANSFER CATALYST MARKET IN 2017

Figure 11 INDIA PHASE TRANSFER CATALYST MARKET PROJECTED TO GROW AT THE HIGHEST CAGR FROM 2018 TO 2023

Figure 12 NORTH AMERICA TO LEAD PHARMACEUTICALS AND AGROCHEMICALS SEGMENTS OF THE MARKET IN 2018

Figure 13 DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES: PHASE TRANSFER CATALYST MARKET

Figure 14 PHASE TRANSFER CATALYST MARKET WITNESSES OLIGOPOLY COMPETITION

Figure 15 AMMONIUM SALTS PROJECTED TO BE LARGEST TYPE SEGMENT OF PHASE TRANSFER CATALYST MARKET DURING FORECAST PERIOD

Figure 16 ASIA PACIFIC PROJECTED TO LEAD AMMONIUM SALTS TYPE SEGMENT FROM 2018 TO 2023

Figure 17 PHOSPHONIUM SALTS TYPE SEGMENT PROJECTED TO GROW AT HIGHEST CAGR IN NORTH AMERICA DURING FORECAST PERIOD

Figure 18 NORTH AMERICA EXPECTED TO LEAD OTHERS SEGMENT FROM 2018 TO 2023

Figure 19 PHARMACEUTICALS PROJECTED TO BE LARGEST END-USE

**INDUSTRY SEGMENT DURING FORECAST PERIOD**

Figure 20 PHARMACEUTICALS END-USE INDUSTRY SEGMENT IN ASIA PACIFIC EXPECTED TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

Figure 21 NORTH AMERICA PROJECTED TO LEAD AGROCHEMICALS END-USE INDUSTRY SEGMENT DURING FORECAST PERIOD

Figure 22 OTHERS SEGMENT PROJECTED TO GROW AT HIGHEST CAGR IN EUROPE DURING FORECAST PERIOD

Figure 23 PHASE TRANSFER CATALYST MARKET IN INDIA EXPECTED TO GROW AT THE HIGHEST RATE DURING THE FORECAST PERIOD

Figure 24 NORTH AMERICA EXPECTED TO LEAD THE PHASE TRANSFER CATALYST MARKET DURING THE FORECAST PERIOD

Figure 25 NORTH AMERICA: MARKET SNAPSHOT

Figure 26 EUROPE: MARKET SNAPSHOT

Figure 27 ASIA PACIFIC: MARKET SNAPSHOT

Figure 28 MIDDLE EAST & AFRICA: MARKET SNAPSHOT

Figure 29 SOUTH AMERICA: MARKET SNAPSHOT

Figure 30 PHASE TRANSFER CATALYST MARKET, COMPETITIVE LEADERSHIP MAPPING, 2018

Figure 31 SACHEM INC., LED THE PHASE TRANSFER CATALYST MARKET IN 2018

Figure 32 NIPPON CHEMICAL INDUSTRIAL CO., LTD.: COMPANY SNAPSHOT

Figure 33 DISHMAN GROUP: COMPANY SNAPSHOT

## I would like to order

Product name: Phase Transfer Catalyst Market by Type (Ammonium Salts, Phosphonium Salts), End-use Industry (Pharmaceuticals, Agrochemicals), and Region (North America, Europe, Asia Pacific, Middle East & Africa, and South America) - Global Forecast to 2023

Product link: <https://marketpublishers.com/r/P5F287D0E81EN.html>

Price: US\$ 5,650.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/P5F287D0E81EN.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