

# **Toluene Market by Derivative Type (Benzene & Xylene, Toluene Diisocyanates, Solvents, Gasoline Additives), Production Process (Reformate, Pygas, Coke/Coal, and Styrene), Application (Drugs, Dyes, Blending, Cosmetic Nail Products) - Global Opportunity Analysis and Industry Forecast, 2017-2023**

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## **Abstracts**

The global toluene market size is expected to reach \$23,393 million by 2023 from \$16,597 million in 2016, registering a CAGR of 5.0% from 2017 to 2023. Toluene is a clear water insoluble aromatic hydrocarbon solvent with molecular formula of  $C_7H_8$ . It possesses aromatic, benzene-like smell, and is a highly volatile flammable liquid with a flash point of  $4^{\circ}C$ . It is produced from petroleum and coal tar, and is used as a solvent in the manufacturing of other organic chemicals, such as benzene, xylene, and toluene diisocyanate. It is used as a solvent in paints, thinners, adhesives, and inks. Cosmetic and personal care products such as nail paints and removers containing toluene are applied to the hard, impenetrable surface of the nail where a smooth and glossy film is quickly formed upon evaporation of the solvents.

The toluene market has grown considerably in the recent years in developing nations, such as China, India, and Japan, owing to increase in investments in chemicals, petrochemicals, and oil & gas industries. Moreover, crude oil & natural gas contains high impurities and corrosive components, such as hydrogen sulfide, carbon dioxide, and free water, which cause deterioration of the inner walls of wells and pipelines. Continual oil & gas extraction could lead to corrosion of the internal surface of pipelines. Aromatic solvents (benzene, toluene, ethylbenzene, and mixed xylenes (BTEx)) are used as corrosion inhibitors for internal protection of pipes as well as perform fractional distillation in the oil & gas industries. Therefore, rise in demand for toluene as corrosion inhibitor in the oil & gas industry acts as a driving factor of the market.

Benzene toluene xylene (BTX) is a synthetic source of volatile organic compounds (VOCs). VOCs have compounding, long-term adverse effects on health; thus, is strictly regulated by various legislations. Moreover, stringent regulations about VOCs is expected to hamper the adoption of aromatic chemicals.

The global toluene market is segmented based on derivative type, application, material for construction, and geography. Based on derivative type, it is classified into benzene & xylene, toluene diisocyanates, solvents, gasoline additives, and others. The benzene & xylene type segment registered significant growth during 2016, and is expected to grow during the forecast period. The bending application segment is estimated to grow at a significant CAGR of 5.2%. By technology, it is segmented into reformat process, pygas process, coke/coal process, and styrene process. Geographically, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA. Asia-Pacific accounted for nearly half of the share of the total revenue in 2016, followed by North America and Europe. Key market players have invested in R&D activities to develop advanced products to cater to the demand of end users. The key players in the toluene market include:

ExxonMobil Chemical

Sinopec

Shell

Reliance Industries

ConocoPhillips

Valero Energy

BASF

BP Chemicals

China National Petroleum

Mitsui Chemicals

## KEY BENEFITS FOR STAKEHOLDERS

The report provides an extensive analysis of the current and emerging trends, estimations, and opportunities during the forecast period in the toluene market.

Comprehensive analysis of factors that drive and restrict the growth of the market is provided.

Comprehensive regional analysis of the market based on primary and secondary sources is provided.

Extensive analysis of the market is conducted by following product benchmarking, positioning, and monitoring the top competitors within the global market.

The report provides extensive qualitative insights on the significant segments or regions and key insights on strategic analysis of various companies and value chain analysis of the market.

#### Toluene Market Key Segmentation: By Derivative Type

Benzene & Xylene

Toluene Diisocyanates

Solvents

Gasoline Additives

Others (Benzaldehyde and Benzoic Acid)

#### By Production Process

Reformat Process

Pygas Process

Coke/Coal Process

## Styrene Process

### By Application

Drugs

Dyes

Blending

Cosmetic Nail Products

Others (TNT, Pesticides, and Fertilizers)

### By Geography

North America

U.S.

Canada

Mexico

Europe

France

Germany

UK

Spain

Italy

Rest of Europe

Asia-Pacific

India

China

Japan

Australia

Korea

Rest of Asia-Pacific

LAMEA

Brazil

KSA

South Africa

Rest of LAMEA

Other players in the value chain (profiles not included in the report) are: -

Koch Industries

JX Nippon Oil and Energy Corporation

Chevron Phillips

Nova Chemicals

Sherwin-Williams

Total Petrochemicals

Lyondell Basel

Covestro

Formosa Plastics

The above list of companies is not profiled in the report, but can be added based on client interest.

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