

# Ethylene Glycol Industry Market Research (China)



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Skeleton Symbol: HO-CH<sub>2</sub>-CH<sub>2</sub>-OH Molecular Formula: C<sub>2</sub>H<sub>6</sub>O<sub>2</sub>

Relative Molecular Mass: 62.07 (According to the International Atomic Mass of 1997)

### Properties

Ethylene glycol is an odorless, colorless, syrupy liquid with a sweet taste. Its specific gravity is 1.1132, boiling point is 197.2°C, freezing point is -12.6°C, flash point is 116°C, spontaneous ignition point is 412°C, and the upper limit of the explosion limit is between 3.2% and 15.3% (volume). Ethylene glycol absorbs moisture, dissolves in water, ethanol, acetone and slightly dissolves in aether, and can reduce the freezing point of water by large extent.

### Production

Ethylene glycol is produced from ethylene, which is oxidated into epoxy ethane via activator silver salt. Epoxy ethane reacts with water to produce ethylene glycol.

### Uses

Ethylene glycol is mainly used as the raw material for polyester, solvent and antifreeze in engines. It can also be used in producing resin, plasticizer, cosmetic and dynamite, etc.

The report is based on the data from China's National Bureau of Statistics, China Petroleum and Chemical Industry Association and China Customs and the research network of Beijing Compass-info. It analyzes the output, production capacity and price of ethylene glycol and the down-stream demand for ethylene glycol, and foretells the market trend in the future. The report can help understand the ethylene glycol market and provide import decision support to enterprises and research institutions intending to enter the market.

## Table of Content

### CHAPTER I BRIEF INTRODUCTION TO ETHYLENE GLYCOL

Section I Definition and Properties of Ethylene Glycol

Section II Production Technique of Ethylene Glycol

I Synthesis of Ethylene Glycol by Hydration of Epoxy Ethane

II Synthesis of Ethylene Glycol by Catalytic Hydration of Epoxy Ethane

III Synthesis of Ethylene Glycol by Ethylene Carbonate

### CHAPTER II ETHYLENE GLYCOL PRODUCTION IN AND OUT OF CHINA

Section I Current Supply of Ethylene Glycol in the World

I The World's Ethylene Glycol Production in 2000-2006

II The World's New Ethylene Glycol Projects and that to be Constructed in 2007-2010

Section II Current Supply of Ethylene Glycol in China

I China's Ethylene Glycol Production in 2000-2007

II China's New Ethylene Glycol Projects and that to be Constructed in 2008-2010

### CHAPTER III CONSUMPTION STATUS OF ETHYLENE GLYCOL IN AND OUT OF CHINA IN 2000-2007

**Section I Current Consumption Status of Ethylene Glycol in the World****I The World's Consumption of Ethylene Glycol in 2006****II Statistics and Prediction of the World's Major Markets' Ethylene Glycol Consumption Structure in 2000-2011 and Consumption Status in 2006****Section II Current Consumption of Ethylene Glycol in China****I Consumption Status of Ethylene Glycol in 2000-2007****II Analysis on China's Consumption Structure and Status of Ethylene Glycol Products in 2006-2007****CHAPTER IV IMPORT AND EXPORT OF ETHYLENE GLYCOL****Section I China's Ethylene Glycol Import in 2000-2007****I China's Import Volume and Dynamic of Ethylene Glycol in 2000-2007****II China's Import Sources of Ethylene Glycol in 2002-2007****Section II China's Ethylene Glycol Export in 2000-2007****CHAPTER V ANALYSIS ON THE PRICE TREND OF ETHYLENE GLYCOL****Section I Statistics of the Monthly Average Price of Ethylene Glycol in China in 2002-2007****Section II Review to China's Ethylene Glycol Market in 2005-2007****Section III Conclusion of the Ethylene Glycol Market in November 2007****I Overseas Ethylene Glycol Market****II China's Domestic Market****III The Latest Quoted Price of Overseas Market and Factory Price of Ethylene Glycol of Major Producers in China****IV Weekly Market Review****V Analysis on Import and Export Statistics of China Customs****CHAPTER VI ANALYSIS OF THE UPPER & DOWN-STREAM ETHYLENE GLYCOL INDUSTRY****Section I Upper-stream Ethylene Glycol Market (Epoxy Ethan)****I Overseas Production of Ethylene Glycol and Prediction****II Overseas Consumption of Ethylene Glycol and Prediction****III Current Supply of Domestic Ethylene Glycol Market and Prediction****IV Market Demand for Ethylene Glycol and Prediction****Section II Analysis on Down-stream Ethylene Glycol Products (Polyester) of China in 2002-2007****I Polyester Production in 2002-2007****II Analysis on Polyester Consumption in 2003-2007****CHAPTER VII ANALYSIS ON MAJOR ETHYLENE GLYCOL PRODUCERS****Section I BASF-YPC Company Limited****I Company Profile****II Major Products****III Analysis on the Operation in 2003-2006****Section II CNOOC and shell Petrochemicals Company Ltd.****I Company Profile****II Introduction to the Products and Equipment****III Analysis on the Operation in 2006****Section III Beijing Yanshan Petrochemical Corporation****I Company Profile****II Analysis on the Operation in 2003-2006****Section IV PetroChina Jilin Petrochemical Company****I Company Profile****II Analysis on the Operation in 2003-2006**

**Section V Sinopec Shanghai Petrochemical Co. Ltd. (SPC)**

- I Company Profile
- II Analysis on the Operation in 2003-2006
- III Main Concepts and Actions of SPC in Recent Years

**Section VI Sinopec Yangzi Petrochemical Co., Ltd.**

- I Company Profile
- II Analysis on the Operation in 2004-2007

**III Development Programms****Section VII Sinopec Maoming Petrochemical Corporation**

- I Company Profile
- II Analysis on the Operation in 2002-2006

**CHAPTER VIII ANALYSIS ON THE EXISTING PROBLEMS OF THE ETHYLENE GLYCOL INDUSTRY AND PROSPECT PREDICTION****Section I General Industrial Analysis**

- I Brief Induction of the Industry's Current Situation
- II Degree of Self-sufficiency of Ethylene Glycol Slides Year by Year
- III Construction and Expansion of Ethylene Glycol Projects Accelerate in China

**Section II Existing Problems of the Ethylene Glycol Industry and Development Suggestions**

- I Existing Problems and Solutions
- II Suggestions on Adopting Advanced Technologies and Expanding the Application

**Section III Prospect Prediction of China's Ethylene Glycol Industry****CHART CONTENTS**

Chart 1 Ethylene Glycol Production Capacity Distribution in the World in 2006

Chart 2 Ethylene Glycol Production Capacity of Top 10 Producers in 2006

Chart 3 Construction and Expansion of Ethylene Glycol Projects in the World (Excluding China Mainland) in 2007-2010

Chart 4 About China's Major Ethylene Glycol Producers in 2007

Chart 5 Statistics of China's Ethylene Glycol Output in 2000-2007

Chart 6 Ethylene Glycol Supply and Demand in the World's Major Regions in 2006-2007

Chart 7 Consumption Structure of Ethylene Glycol and Prediction on that in the US in 2000-2011

Chart 8 Consumption Structure of Ethylene Glycol and Prediction on that in South America in 2000-2011

Chart 9 Consumption Structure of Ethylene Glycol and Prediction on that in Western Europe in 2000-2011

Chart 10 Consumption Structure of Ethylene Glycol and Prediction on that in Eastern Europe in 2000-2011

Chart 11 Consumption Structure of Ethylene Glycol and Prediction on that in Middle East Area in 2000-2011

Chart 12 Consumption Structure of Ethylene Glycol and Prediction on that in Japan in 2000-2011

Chart 13 Statistics of China's Ethylene Glycol Consumption in 2000- 2007

Chart 14 Ethylene Glycol Supply and Demand of China in 1995-2007

Chart 15 Import Volume Variation of Ethylene Glycol of China in 2000-2007

Chart 16 China's Import Sources of Ethylene Glycol in 2002-2007

Chart 17 Import Volume Variation of Ethylene Glycol of China in 2000-2007

Chart 18 Statistics of Monthly Average Price of Ethylene Glycol in China in 2000-2007

Chart 19 Ethylene Glycol Price Variation in Jan.-Dec., 2006

Chart 20 Ethylene Glycol Price Variation in Jan.-Oct., 2007

Chart 21 Ethylene Glycol Price in the World's Major Areas in November

Chart 22 Factory Price of Ethylene Glycol of Major Chinese Producers at November-end

Chart 23 The World's Production and Consumption of Epoxy Ethane in 2004

Chart 24 Statistics of the World's Newly-increased Production Capacity of Epoxy Ethane in 2005-2010

Chart 25 Statistics of China's Epoxy Ethane/ Ethylene Glycol Producers and their Production Capacity in 2004

Chart 26 Statistics of China's Newly-increased Production Capacity of Epoxy Ethane and Ethylene Glycol

in 2005-2010

- Chart 27 China's Import of Major Down-stream Epoxy Ethane Products
- Chart 28 China's Polyester Output in 2002-2007
- Chart 29 Polyester Output of China's Top 10 Producers in 2003
- Chart 30 Polyester Output of China's Top 10 Producers in 2004
- Chart 31 Polyester Output of China's Top 10 Producers in 2005
- Chart 32 Polyester Output of China's Top 10 Producers in 2006
- Chart 33 China's Apparent Consumption of Polyester in 2002-2007
- Chart 34 China's Import and Export of Polyester in 2002-2007
- Chart 35 China's Output and Consumption of Polyester in 2002-2007
- Chart 36 About China's Raw Material of Polyester in 2002-2007
- Chart 37 China's Polyester Industry in 2007 and 2010 Prediction on the Industry
- Chart 38 Assets and Liabilities of BASF-YPC Company Limited in 2003-2006
- Chart 39 Costs and Expenses of BASF-YPC Company Limited in 2003-2006
- Chart 40 Profits of BASF-YPC Company Limited in 2003-2006
- Chart 41 Production Facilities and Flow of CNOOC and Shell Petrochemicals Company Limited (CSPC)
- Chart 42 Equipment and Production Capacity of CSPC
- Chart 43 Overall Analysis of CSPC in 2006
- Chart 44 Analysis of the Operation Profitability of CSPC in 2006
- Chart 45 Costs and Expenses of Sinopec Beijing Yanshan Petrochemical Engineering Company in 2003-2006
- Chart 46 Profit List of Beijing Yanshan Petrochemical Engineering Company in 2003-2006
- Chart 74 Assets and Liabilities of Sinopec Beijing Yanshan Petrochemical Engineering Company in 2003-2006
- Chart 48 Assets and Liabilities of PetroChina Jilin Petrochemical Company in 2003-2006
- Chart 49 Profit List of PetroChina Jilin Petrochemical Company in 2003-2006
- Chart 50 Costs and Expenses of PetroChina Jilin Petrochemical Company in 2003-2006
- Chart 51 General Operation of Sinopec Shanghai Petrochemical Co., Ltd. in 2003-2006
- Chart 52 Operation Analysis of Sinopec Shanghai Petrochemical Co., Ltd. in 2003-2006
- Chart 53 General Operation of Sinopec Yangzi Petrochemical Co., Ltd. in 2004-2007
- Chart 54 Economic Operation Analysis of Sinopec Yangzi Petrochemical Co., Ltd. in 2004-2007
- Chart 55 General Operation Analysis of Sinopec Maoming Petrochemical Corporation in 2002-2006
- Chart 56 Operation Profitability Analysis of Sinopec Maoming Petrochemical Corporation in 2002-2006

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