

# Asia-Pacific N-Methylmorpholine Oxide Market by Manufacturers, Regions, Type and Application, Forecast to 2022

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## Abstracts

N-Methylmorpholine N-oxide (more correctly 4-methylmorpholine 4-oxide), NMO or NMMO is an organic compound. This heterocyclic amine oxide and morpholine derivative is used in organic chemistry as a co-oxidant and sacrificial catalyst in oxidation reactions for instance in osmium tetroxide oxidations and the Sharpless asymmetric dihydroxylation or oxidations with TPAP. NMO is commercially supplied both as a monohydrate  $C_5H_{11}NO_2 \cdot H_2O$  and as the anhydrous compound. The monohydrate is used as a solvent for cellulose in the Lyocell process to produce cellulose fibers.

### SCOPE OF THE REPORT:

This report focuses on the N-Methylmorpholine Oxide in Asia-Pacific market, especially in China, Japan, Korea, Taiwan, Southeast Asia, India and Australia. This report categorizes the market based on manufacturers, countries/Regions, type and application.

Market Segment by Manufacturers, this report covers

BASF

Huntsman

Amines & Plasticizers Limited

Anhui Wotu Chemical

Jiangsu Lianrun Chemical

Sincere Chemicals

Market Segment by Countries, covering

China

Japan

Korea

Taiwan

Southeast Asia

India

Australia

Market Segment by Type, covers

Liquid

Solid

Market Segment by Applications, can be divided into

Solvent

Pharmaceutical Intermediates

Other

There are 19 Chapters to deeply display the Asia-Pacific N-Methylmorpholine Oxide market.

Chapter 1, to describe N-Methylmorpholine Oxide Introduction, product type and application, market overview, market analysis by countries, market opportunities, market risk, market driving force;

Chapter 2, to analyze the manufacturers of N-Methylmorpholine Oxide, with profile, main business, news, sales, price, revenue and market share in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the Asia-Pacific market by countries, covering China, Japan, Korea, Southeast Asia, Taiwan, India and Australia, with sales, price, revenue and market share of N-Methylmorpholine Oxide, for each country, from 2012 to 2017;

Chapter 5 and 6, to show the market by type and application, with sales, price, revenue, market share and growth rate by type, application, from 2012 to 2017;

Chapter 7, 8, 9, 10, 11, 12 and 13 to analyze the key countries by manufacturers, Type and Application, covering China, Japan, Korea, Southeast Asia, Taiwan, India and Australia, with sales, revenue and market share by manufacturers, types and application;

Chapter 14, N-Methylmorpholine Oxide market forecast, by countries, type and application, with sales, price, revenue and growth rate forecast, from 2017 to 2022;

Chapter 15, to analyze the manufacturing cost, key raw materials and manufacturing process etc.

Chapter 16, to analyze the industrial chain, sourcing strategy and downstream end users (buyers);

Chapter 17, to describe sales channel, distributors, traders, dealers etc.

Chapter 18 and 19, to describe the research findings and conclusion, appendix, methodology and data source

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