



Markets and Profitability

Market Analytics: Isocyanates - 2023



This Report was prepared by NexantECA, the Energy and Chemicals Advisory company ("NexantECA"). Except where specifically stated in this Report, the information contained herein is prepared on the basis of information that is publicly available, and contains no confidential third party technical information to the best knowledge and belief of NexantECA. The information has not been independently verified or otherwise examined to determine its accuracy, completeness or financial feasibility. Neither NexantECA, Subscriber nor any person acting on behalf of either shall have any liabilities for any loss or damage arising from or connected to the use of any information contained in this Report. NexantECA does not represent or warrant that any assumed conditions will come to pass.

The Report is for Subscriber's internal use only and shall be kept strictly confidential. The Report should not be otherwise reproduced, distributed or used without first obtaining prior written consent by NexantECA. Each Subscriber agrees to use reasonable effort to protect the confidential nature of the Report.

Copyright © by NexantECA (BV) Ltd. 2023. All rights reserved.



Slide index

1 Executive Summary	<u>3</u>
Methylene Diphenyl Diisocyanates (MDI)	<u>6</u>
Toluene Diisocyanate (TDI)	<u>12</u>
2 Introduction	<u>18</u>
3 End-use Sector Analysis	<u>24</u>
4 Sustainability	<u>31</u>
5 Nitrobenzene	<u>36</u>
Global	<u>37</u>
6 Aniline	<u>44</u>
Global	<u>45</u>
7 Methylene Diphenyl Diisocyanate (MDI)	<u>52</u>
Global	<u>53</u>
North America	<u>60</u>
South America	<u>65</u>
Western Europe	<u>69</u>
Central Europe	<u>74</u>
Eastern Europe	<u>79</u>
Middle East	<u>83</u>
Africa	<u>88</u>
Asia Pacific	<u>92</u>



Slide index

8 Monomeric MDI	<u>100</u>
Global	<u>101</u>
North America	<u>108</u>
South America	<u>112</u>
Western Europe	<u>115</u>
Central Europe	<u>119</u>
Eastern Europe	<u>123</u>
Middle East	<u>126</u>
Africa	<u>130</u>
Asia Pacific	<u>133</u>
9 Toluene Diisocyanate (TDI)	<u>141</u>
Global	<u>142</u>
North America	<u>149</u>
South America	<u>154</u>
Western Europe	<u>159</u>
Central Europe	<u>164</u>
Eastern Europe	<u>169</u>
Middle East	<u>173</u>
Africa	<u>178</u>
Asia Pacific	<u>182</u>

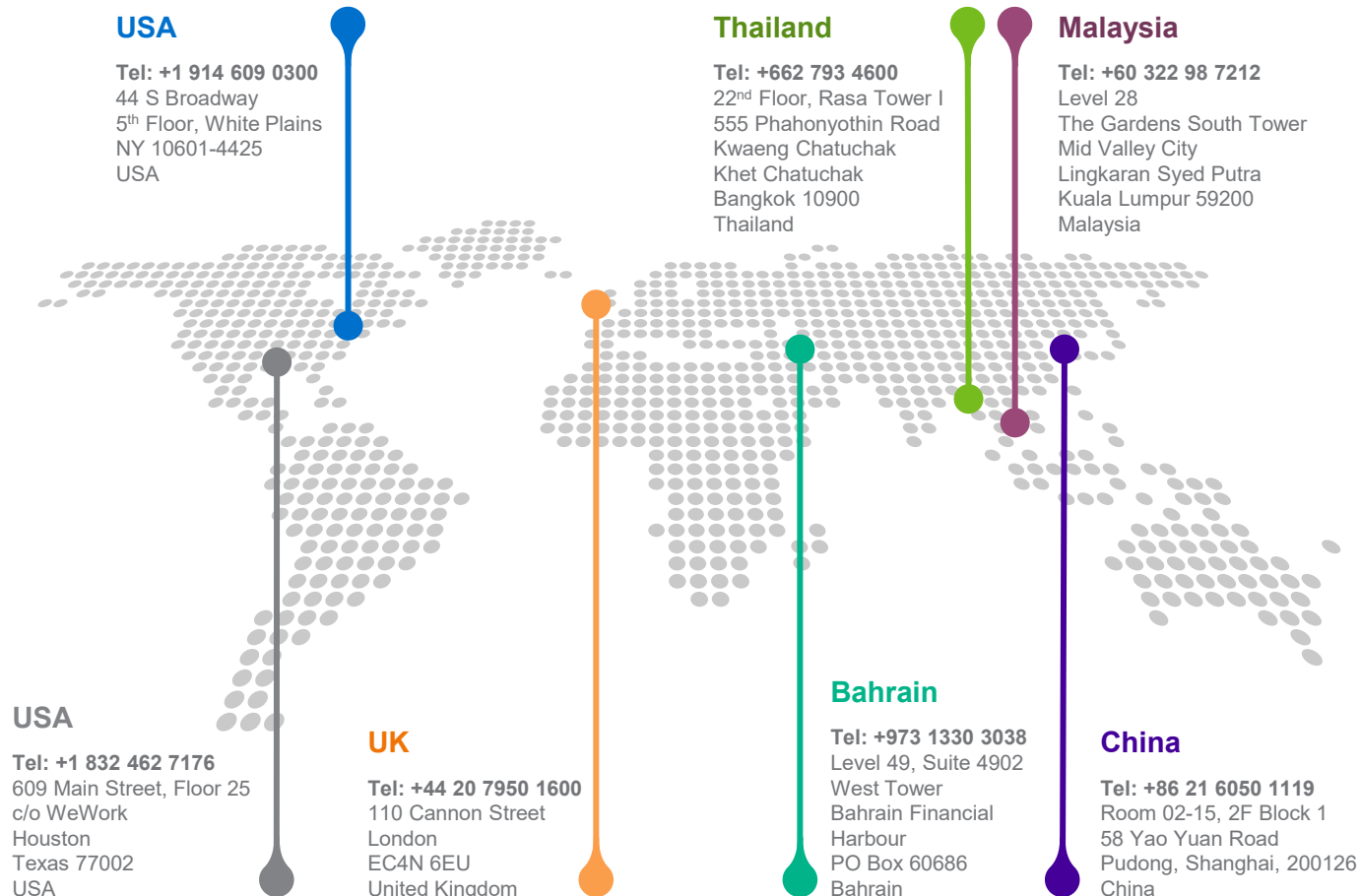


Slide index

10 Appendix – Methodology	<u>190</u>
11 Appendix – Process Technology	<u>200</u>



NexantECA partners with clients to help them navigate the big global energy, chemicals and materials issues of tomorrow. We provide independent advice through our consulting, subscriptions and reports, and training businesses using expertise developed in markets, economics and technology through our fifty years of operation. We are entirely dedicated to supporting sustainable development of the industry and provide expert advice with efficiency, speed, and agility.



Disclaimer

This Report was prepared by NexantECA, the Energy and Chemicals Advisory company. Except where specifically stated otherwise in this Report, the information contained here is prepared on the basis of information that is publicly available, and contains no confidential third party technical information to the best knowledge of NexantECA. Aforesaid information has not been independently verified or otherwise examined to determine its accuracy, completeness or financial feasibility. Neither NexantECA, Client nor any person acting on behalf of either assumes any liabilities with respect to the use of or for damages resulting from the use of any information contained in this Report. NexantECA does not represent or warrant that any assumed conditions will come to pass.