Report Overview
Producers and consumers of solvents recognize that solvent selection is becoming increasingly complex. In addition to considering what physical properties are required from a solvent, industry players are adapting to growing environmental concern and regulatory pressure to minimize the use of unacceptable solvents. As a result, several traditional products and processes in the solvent industry are being reformulated to replace toxic, corrosive, volatile classical solvents and therefore greatly reduce the environmental footprint.

The study objectives are to analyze the technical, commercial, and environmental status of the solvent industry by its major markets and explain the drivers for using green solvents. Green solvents included in this report are a combination of biorenewable chemicals and environmentally friendlier and safer alternatives to traditional solvents.

Questions Addressed
• What are the major applications and market segments for solvents?
• What makes a solvent green?
• How are regulations driving the adoption of green solvents?
• How can one identify and select solvent alternatives?
• How can one measure the effectiveness of green solvents vs. traditional solvents?
• What are the commercial implications of switching to green solvents?
• Which green solvents does Nexant forecast could achieve future market success?
• What companies are leaders in green solvent production and what trends are apparent in their product portfolios?

Subjects Addressed
This report aims to give subscribers an understanding of the commercial and technical developments and potential for green solvents for use in conventional processes and across a range of industrial applications.

Industry Overview: This report reviews and segment the conventional solvent industry by type and application. It also profiles and forecasts the growth of the green solvent industry and identifies the key drivers for solvent substitution.

Regulations: The report profiles the current regulatory environment surrounding solvent industry issues such as ozone formation due to VOC emissions, greenhouse gas emissions/global warming potential and toxicity. The case for economically competitive bio-renewable solvents are made.

Solvent Selection: In addition to providing solvent prices, the report compares the effectiveness of green solvents versus traditional solvents and include guidance and data on profiling and selecting solvents using Hansen Solubility Parameter (HSP, as illustrated below) and other practical theoretical constructs used by industry.

Example of HSP Space for Carbon Black

Key Companies: The report includes a summary and profile of the market position and key products of over two dozen leading green solvent providers.

Who Should Buy Green Solvents: An Ideal Solution? The report is a valuable resource for investors, marketers, and petrochemical and bio-chemical companies that produce or are considering the production of solvents by clearly describing the landscape of existing and emerging “green” solvents.

For information regarding the report Green Solvents: An Ideal Solution?, please contact STMC@nexant.com.
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