

## THE REPORT

Industrial processing typically requires the use of hazardous chemicals as solvents, catalysts, and starting materials for end product chemical synthesis. Furthermore, many industrial end product synthesis reactions are inefficient and produce toxic by-products in the form of volatile organic compounds (VOCs). The presence of toxic by-products and non-biodegradable end products creates the need for costly waste management programs integrated into the corporate infrastructure. Government sponsorship of environmental regulations and research efforts to reduce industrial pollution have fostered the development of "green chemistry."

Green chemistry is defined by the United States Environmental Protection Agency as, "**the design of chemical products and processes that reduce or eliminate the use or generation of hazardous substances.**" Industries can comply with the principles of green chemistry by using alternative synthetic pathways, creating alternative reaction conditions, or designing safer chemicals that have little or no environmental toxicity. Typically, these chemicals are synthesized from natural renewable feedstocks. Industrial adaptation of green chemistry technologies can prevent pollution, maximize efficiency, and reduce waste.

The **Green Chemistry Processing Technologies** report includes detailed information on novel green chemistry technologies that are currently available for licensing, co-development, and co-marketing. These technologies represent green chemistry advances that are used in chemical production and processing. In the report, each technology is profiled with the full contact information, technology description, competitive advantage, intellectual property information, and stage of development. It also contains a discussion of the industrial economic benefits of green chemistry technologies including legislative compliance allowances, tax rewards, and infrastructural reassessments. The report is fully customizable to specific client needs.

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## GREEN CHEMISTRY PROCESSING TECHNOLOGIES

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