

# Green Chemistry



designing for sustainability



## Why Green Chemistry?

Bristol-Myers Squibb is widely recognized for excellence in discovering, developing, manufacturing, marketing, and selling some of the world's leading medicines. We are also an acknowledged industry leader in environment, health, and safety management. This dual reputation reflects our commitment to bringing needed medicines to patients worldwide as quickly as possible while adhering to the values embodied by the Bristol-Myers Squibb Pledge.

Today we are embarked on an exciting new chapter in Bristol-Myers Squibb's history as we focus on our core medicines business. As we accelerate discovery and development of new medicines, we remain committed to reducing waste, protecting employee health and safety, and minimizing the use of chemicals of concern.

Our Green Chemistry program is a partnership of the company's Pharmaceutical Research Institute, Technical Operations, and Environment, Health & Safety (EHS) to promote innovative and cost-effective approaches for reducing the impacts and risks of our products and processes. This program is part of our company's overall strategy for meeting Bristol-Myers Squibb's Sustainability 2010 Goals. We embrace the 2010 goals because they will result in valuable business and EHS benefits to our operations worldwide.

Building EHS improvements into our pharmaceuticals development processes will save critical resources while clearly supporting our pledge to be a conscientious corporate citizen. The Green Chemistry program is an important component of this commitment.



*Green Chemistry is a framework that enables scientists and engineers to consider environment, health, and safety impacts early in the pharmaceutical development process – yielding business and environmental benefits for Bristol-Myers Squibb, our employees, and the communities in which we operate.*

## Bristol-Myers Squibb's Green Chemistry Program

Green Chemistry is:

- designing a process that is solvent free, rather than handling and disposing of highly regulated solvent wastes
- finding an alternative to using a chemical of concern, rather than using personal control equipment to prevent chemical exposures
- designing processes to minimize environment, health, and safety impacts in the early stages of product design, rather than requiring extensive control measures to minimize risk.

In each of the above cases, the first approach is the choice of preference for implementing Green Chemistry in the workplace. Business decisions are based on several factors, including resources, timing, and financial impact.

Environment, health and safety issues affect how efficiently, quickly and cost-effectively the company can bring new pharmaceutical products to market. Better management of these issues will help us achieve Bristol-Myers Squibb's long-term strategic objectives. The Green Chemistry program provides scientists and engineers with the right tool – the Process Greenness Scorecard – to identify the environment, health and safety implications of new and existing products and processes.

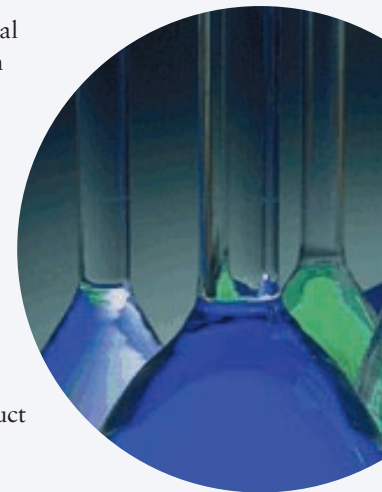
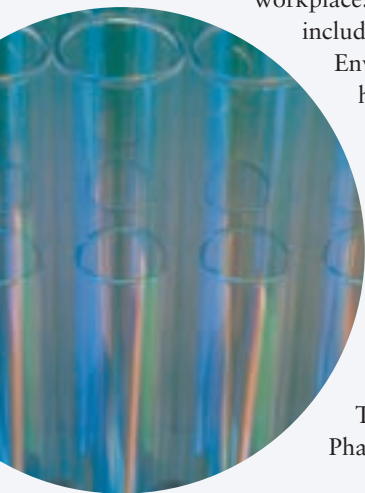
The program encourages partnering between the Pharmaceutical Research Institute and Technical

Operations to share information and make critical decisions early in the development process, when alternative approaches can be considered more effectively.

The Green Chemistry program can help Bristol-Myers Squibb develop innovative, cost-effective medicines that extend and enhance human life by:

- protecting the health and safety of the people who design, develop, manufacture, and use our pharmaceutical products
- integrating environmentally preferable processes at the earliest possible stage of product design
- minimizing the use of regulated materials
- promoting the recovery and recycling of solvents
- reducing waste generation
- encouraging telescoping of processes to minimize the potential for releases and exposures
- meeting the needs of the growing number of customers and consumers who make purchasing decisions based on a company's social and environmental reputation.

By implementing the Green Chemistry program, Bristol-Myers Squibb can minimize environmental impacts while at the same time reduce costs and often shorten time to market: a real win-win opportunity.



**Bristol-Myers Squibb Company**



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For more information about Bristol-Myers Squibb's 2010 Sustainability Goals and EHS policy, programs, and performance worldwide, visit our Web site at [www.bms.com/sustainability](http://www.bms.com/sustainability).