

Development of Green Products

We focus on research and development that aims to reduce the impact that our products impose on the Earth and further diversify the items in our environmentally friendly product line.

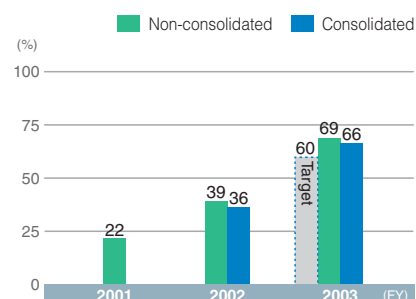
Goal and Achievements

The Hitachi Chemical Group established its Program for Assessing and Registering Green Products in fiscal 2001. Since then, we have been making our utmost efforts to develop and promote environmentally friendly products. At the Hitachi Chemical Group, the products that meet the standards in eight evaluation items are registered as "Green Products." Having set a goal to increase the sales share of these Green Products to 60% or higher by fiscal 2003, we have been working to reduce the environmental impact of our

products by changing product designing and manufacturing processes, as well as by installing new equipment.

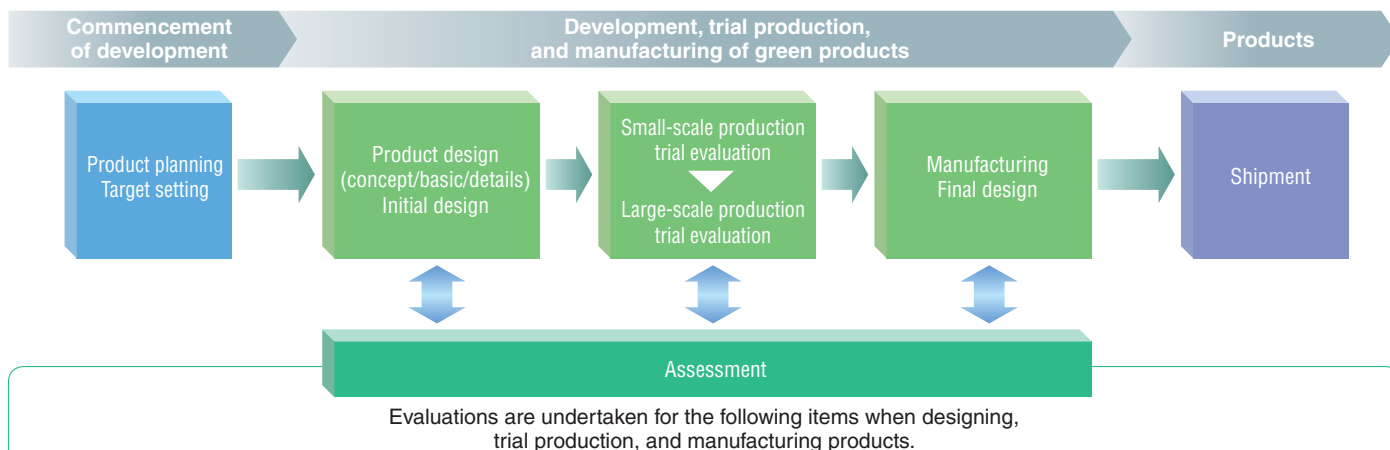
By fiscal 2003, the goal was achieved both for Hitachi Chemical alone (69%) and for the whole group (66%). We will continue our efforts to develop materials, components, products, and manufacturing methods that can further reduce the environmental impact of product throughout their life cycles.

Ratio of green product sales



$$\text{Ratio of green product sales (\%)} = \frac{\text{Sales of green products}}{\text{Net sales}} \times 100$$

Assessment for Green Products



Evaluations are undertaken for the following items when designing, trial production, and manufacturing products.

Electronics- and chemical-related products

Criteria for evaluation	Evaluation points
Product functionality	Higher functionality per resource
Resources conservation	Resources conservation performance and waste reduction
Resource recycling	Resource recycling and a recycling society system
Chemical safety	Reducing human health risks of chemicals, hazardous substances
Green chemistry	Reducing the environmental impacts of the production processes
Environmental conservation	Reducing the environmental impacts
Energy saving performance	Energy saving performance during manufacture and use
Information disclosure	Provision of information about discarding and disposal

Housing equipment and environmental facilities

Criteria for evaluation	Evaluation points
Reducing weight	Resources conservation, miniaturization, weight reduction, Standardization
Longer service life	Durability, reliability, ease of repair
Recycling and reconditioning	Use of reconditioned materials
Ease of disassembly	Ease of disassembly and separation
Ease of processing	Ease of destruction and decomposition
Environmental conservation	Reducing the environmental impacts
Energy saving performance	Energy saving performance during manufacture and use
Information disclosure	Provision of information about waste treatment and disposal