

- **Ensuring safe transportation of products and raw materials**

The Hitachi Chemical Group issues “yellow cards” (emergency contact cards) that clearly specify measures to be taken in the event of an emergency during transportation of products. We also use yellow container card labels that display emergency measures to ensure safety during the transportation and use of products containing hazardous and toxic chemical substances as well as to alleviate environmental impact in the event of an accident. In addition, we request that suppliers delivering raw materials also carry yellow cards.

Caring for the environment in offices

P16 CSR Policy 5

The Hitachi Chemical Group undertakes green procurement of office equipment, which places priority on purchasing products bearing the Eco mark or which comply with the Green Procurement Law. In fiscal 2008, the ratio of green procurement* was 59% on a non-consolidated basis and 56% on a consolidated basis. The ratios were lower than in the previous fiscal year because the decline in green procurement exceeded the drop in total amount of procurement.

Hitachi Chemical also utilizes the “e-sourcing” electronic ordering and purchasing system to raise the efficiency of its green procurement by centralizing purchasing control for Group companies.

* **Ratio of green procurement:** amount of green procurement / total amount of procurement

Hitachi Chemical Group Environmental Conservation Action Plan for Fiscal 2009 (except of major items)

Category	Action target			FY2008			Target for FY2009	Relevant pages		
	Indicator	Target value	Target FY	Target value	Result	Rating				
Eco-mind and global environmental management	Promotion of environmental management	Hitachi Chemical and its Group companies will promote Group-wide management of environmental conservation activities, including at overseas companies. As a chemical company, we will also continue activities for reducing the impact on the global environment, enhance the level of control over chemical substances and expand environment-friendly products to strengthen our environmental management and fulfill our social responsibility.							P41	
	Promotion of GREEN 21 activities	Promotion of environmental activities with expanded GP	1,280 GP	2010	1,024 GP	1,113 GP	○	1,152 GP	P42	
Next generation products and services	Expansion of green products	Ratio of green product registration	85% and above	2010	85% and above	87%	○	85% and above	P45	
	Risk control over chemical substances contained in products	Appropriate information disclosure (labels and MSDS revision)	Japanese GHS (Industrial Safety and Health Law, etc.)	<ul style="list-style-type: none"> • 2008 (labels) • 2010 (MSDS) 	<ul style="list-style-type: none"> • Label revision • MSDS revision (1st) 	Completed	○	<ul style="list-style-type: none"> • MSDS revision (2nd) (compliance with PRTR Law) 	P46	
			GHS of individual countries	Time limit of individual countries	Compliance with Taiwanese GHS	Completed	○	<ul style="list-style-type: none"> • Preparation for compliance with EU's CLP • Compliance with Chinese GHS 	P46	
		Compliance with RoHS	Compliance and information disclosure	Time limit of individual countries	Compliance with Chinese RoHS	Completed	○	Identification of regulatory revisions	P46	
		Compliance with REACH	Designated export volume to EU by registration	<ul style="list-style-type: none"> (1) 1,000 tons/year and above (2) 100 tons/year and above (3) 1 ton/year and above 	<ul style="list-style-type: none"> (1) by 2010 (2) by 2013 (3) by 2018 	<ul style="list-style-type: none"> • Research on chemical ingredients • Confirmation of export volume of the applicable products • Preliminary registry 	Completed	○	<ul style="list-style-type: none"> • Research on product applications (information disclosure to upstream) • Compliance with SIEF (consortium) • Additional preliminary registry 	P46
			* Compliance with SVHC Contained 0.1% and above in product and exported to EU in the volume of 1 tons/year and above	2009 and after (information disclosure) 2011 and after (reporting)	<ul style="list-style-type: none"> • Research on inclusion in products (preparation for disclosure) • Confirmation of regulatory trends 	Completed	○	<ul style="list-style-type: none"> • Research on inclusion in products (information disclosure to downstream) • Identification of regulatory revisions • Reporting and consideration for use of alternatives 	P46	
High-standard eco-factories and offices	Preventing global warming	CO ₂ emissions (domestic; compared to FY1990)	93% or less	2010	93% or less	83%	○	93% or less	P48-49	
		CO ₂ unit requirement index (domestic; compared to FY1990)	75% or less	2010	77% or less	80%	×	77% or less	P48-49	
		Reduction of CO ₂ emissions during transportation (energy consumed per actual unit sales; compared to FY2006)	Reduce by 4% or more	2010	Reduce by 2% or more	Reduce by 2% or more	○	Reduce by 3% or more	P51	
	Reduction of wastes	Promotion of zero emission activities	All domestic sites compliant	—	All domestic sites compliant	All domestic sites compliant	○	All domestic sites compliant	P50	
		Amount of waste (compared to FY2000)	75% or less	2010	78% or less	69%	○	76% or less	P50	
	Reduction of chemical substances during manufacturing	Amount of emissions into the atmosphere (domestic; compared to FY2000)	15% or less	2010	11% or less	9%	○	10% or less	P46-47	
		Amount of VOC emissions into the atmosphere (domestic; compared to FY2000)	15% or less	2010	15% or less	9%	○	12% or less	P46-47	
Environmental collaboration with stakeholders	Promotion of environmental communication	Communication initiatives for each stakeholder <ul style="list-style-type: none"> • Communication via PR activities, websites, publication of sustainability reports and site reports, briefings with local residents • Environmental activities in local communities 							—	

Self-evaluation ○= Significantly above target; ○= Above target; ×= Below