



Responsible Care Activity Goals and Results

Goal achieved or steadily progressing: ○ Goal not achieved: △

	Items	Boundary	Fiscal 2017 Goals	Fiscal 2017 Results	Evaluation	Fiscal 2018 Goals	Page
Responsible Care (RC) Audits	Responsible Care (RC) Audits		Expand RC audit scope	Enhanced auditing methods related to data reliability	○	Expand RC audit scope	
	Review from the viewpoint of a third party		Review accidents from the viewpoint of a third party	Enhanced management's monitoring functions	○	Review accidents from the viewpoint of a third party	pp. 22–27
	RC Global Management		Promote RC Global Management	Verified the Group's adaptability to globalization	○	Promote RC Global Management	
Occupational Safety and Health / Industrial Safety and Disaster Prevention	Lost-workday injuries	Sumitomo Chemical	0	1	△	0	
		Partner companies*1	0	3	△	0	
	Frequency rate of lost-workday injuries*2	Group*3	Less than 0.1	0.26	△	Less than 0.1	pp. 28–33
	Severe accidents*4	Group	0	2	△	0	
	Severe industrial accidents*5	Group	0	0	○	0	
	Lost-workday injuries in logistics*6	Logistics	0	0	○	0	
Environmental Protection / Climate Change Action	Promotion of Environmental Management						
	Severe environmental accidents	Sumitomo Chemical and consolidated subsidiaries in Japan and overseas	0	0	○	0	
	Laws and regulations, etc.	Sumitomo Chemical	Properly respond to more stringent laws and regulations and proactively address trends in new environmental regulations	Studied and responded to amendments to the Soil Contamination Countermeasures Act and the Air Pollution Control Act. Thoroughly discussed legislation to ease or tighten regulations with the Diet.	○	Properly respond to more stringent laws and regulations and proactively address trends in new environmental regulations	pp. 34–44
	Environmental protection management methods, etc.	Sumitomo Chemical	Promote labor-saving and streamlining	Continued to collect environmental performance data for major Group companies in Japan and overseas using a cloud system and continued taking action toward common goals	○	Provide individual support to Group companies for responding to environmental regulations	

Note: Further details are provided in the supplementary data (pp. 50–74).

*1 A partner company injury is defined as one suffered within a Sumitomo Chemical worksite by an employee of a company affiliated with a logistics or construction subcontractor.

*2 The Responsible Care Department determines if accidents that occur at overseas consolidated subsidiaries are considered to be lost-workday injuries or non lost-workday injuries based on how the accidents are handled in Japan.

*3 For the purposes of occupational safety and health/industrial safety and disaster prevention, the Group is defined as Sumitomo Chemical (including its partner companies and others) and consolidated subsidiaries in Japan and overseas.

*4 Severe accidents are defined as those that result in a fatality or those that result in severe lost-workday injuries, including blindness and loss of a limb.

*5 Severe industrial accidents are defined as industrial accidents resulting in any of the below conditions.

- The local residents suffer injuries requiring at least regular hospital visits or treatment.
- Employees at the facility suffer injuries that at least require a lost workday.
- The damage to the facilities totals more than ¥10 million.

*6 In 2017, this goal was changed to lost-workday injuries in logistics.



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Environmental Protection / Climate Change Action							
Climate Change Action	Improve unit CO ₂ emissions from energy use	Sumitomo Chemical	Improve 15% by 2020 compared to 2005 levels	Improved by 20.4% relative to fiscal 2005		Improve 15% by 2020 compared to 2005 levels	
		Sumitomo Chemical and Group companies in Japan	Improve over 1% per year on average	Improved by 2.8% relative to fiscal 2015	○	Improve over 1% per year on average	
		Group companies overseas	Improve over 1% per year on average	Improved by 2.1% relative to fiscal 2015		Improve over 1% per year on average	
	Improve unit energy consumption	Sumitomo Chemical	Improve unit energy consumption 15% by fiscal 2020 compared to 2005 levels	Improved by 21.3% relative to fiscal 2005		Improve 15% by 2020 compared to 2005 levels	pp. 34-44
		Sumitomo Chemical and Group companies in Japan	Improve over 1% per year on average	Improved by 2.1% relative to fiscal 2015	○	Improve over 1% per year on average	
		Group companies overseas	Improve over 1% per year on average	Improved by 2.4% relative to fiscal 2015		Improve over 1% per year on average	
	Improve unit energy consumption in the logistics division	Sumitomo Chemical*1	Improve over 1% per year on average	Improved by an annual average of 0.2% relative to the fiscal 2006 standard	△	Improve over 1% per year on average	
		Waste Reduction Initiatives					
		Reduce the amount of industrial waste sent to landfills	Sumitomo Chemical	Maintain 80% reduction compared to fiscal 2000 levels	Reduced by 94.3% relative to fiscal 2000	○	Maintain 80% reduction compared to fiscal 2000 levels
Sumitomo Chemical and Group companies in Japan	Maintain waste volume at below fiscal 2015 levels to fiscal 2020		Reduced by 13.1% relative to fiscal 2015	○	Maintain waste volume at below fiscal 2015 levels to fiscal 2020		
Properly treated PCB waste	Sumitomo Chemical and Group companies in Japan	<ul style="list-style-type: none"> • (High concentrations of PCB*2) Work toward appropriate storage and recovery of waste containing high concentrations of PCBs and complete PCB waste treatment at an early stage 	<ul style="list-style-type: none"> • (High concentrations of PCB) Largely completed the treatment of waste containing high concentrations of PCBs (excluding certain factories and equipment); continued to promote the storage and recovery of untreated waste 	○	<ul style="list-style-type: none"> • (High concentrations of PCB) Work toward appropriate storage and recovery of waste containing high concentrations of PCBs and complete PCB waste treatment at an early stage 	pp. 34-44	
		<ul style="list-style-type: none"> • (Minute amounts of PCB*3) Work toward appropriate storage and recovery of waste containing minute amounts of PCBs and complete PCB waste treatment by March 2025 	<ul style="list-style-type: none"> • (Minute amounts of PCB) Implemented the treatment of waste containing minute amounts of PCBs at certain factories; continued to promote the storage and recovery of untreated waste 		<ul style="list-style-type: none"> • (Minute amounts of PCB) Work toward appropriate storage and recovery of waste containing minute amounts of PCBs and complete PCB waste treatment by March 2025 		

Note: Further details are provided in the supplementary data (pp. 50-74).

*1 Within the scope of specified shippers according to the definition stipulated under the Act on the Rational Use of Energy

*2 High concentrations of PCB: Polychlorinated biphenyl (PCB) intentionally used as insulation oil in such items as electric appliances

*3 Minute amounts of PCB: PCB unintentionally mixed in as insulation oil in such items as electric appliances (over 0.5mg/kg)



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Environmental Protection / Climate Change Action						
Protecting the Atmosphere, Water, and Soil						
Prevention of air and water pollution	Sumitomo Chemical	Meet voluntary management criteria*1	There was one instance of the legal limit being exceeded and another instance where a limit agreed upon with a municipality was exceeded. We have investigated the causes and taken countermeasures.	△	Meet voluntary management criteria	
Effective use of water resources	Sumitomo Chemical	Promote effective and efficient use of water resources	Unit water usage increased by 4.1% relative to fiscal 2016	△	Promote effective and efficient use of water resources	
	Group companies overseas	Improve unit water consumption by at least 1% on average per year	Unit water usage worsened by 4.4% relative to fiscal 2015	△	Improve unit water consumption by at least 1% on average per year	
Response to PRTR	Sumitomo Chemical	Maintain 60% lower total emissions of air and water pollutants relative to fiscal 2008	Reduced emissions by 89.0% relative to fiscal 2008		Maintain 60% lower total emissions relative to fiscal 2008	
	Sumitomo Chemical and Group companies in Japan	Maintain total emissions of air and water pollutants at below fiscal 2015 levels to fiscal 2020	Reduced emissions by 10.6% relative to fiscal 2015	○	Maintain total emissions of air and water pollutants at below fiscal 2015 levels to fiscal 2020	pp. 34-44
Reduction of VOC emissions	Sumitomo Chemical	Maintain VOC emissions reductions at 30% relative to fiscal 2000	Reduced emissions by 49.3% relative to fiscal 2000	○	Maintain VOC emissions reductions at 30% relative to fiscal 2000	
Prevention of soil and groundwater contamination	Sumitomo Chemical and Group companies in Japan	Keep hazardous materials strictly within Company premises*2	Kept hazardous materials strictly within Company premises	○	Keep hazardous materials strictly within Company premises	
Prevention of ozone layer depletion	Sumitomo Chemical and Group companies in Japan	<ul style="list-style-type: none"> Eliminate the use of refrigeration units that use CFCs as coolants by fiscal 2025 Eliminate the use of refrigeration units that use HCFCs as coolants by fiscal 2045 	Systematically replaced refrigeration units that use CFCs and HCFCs as coolants	○	<ul style="list-style-type: none"> Eliminate the use of refrigeration units that use CFCs as coolants by fiscal 2025 Eliminate the use of refrigeration units that use HCFCs as coolants by fiscal 2045 	
Conservation of Biodiversity	Sumitomo Chemical	Ensure compliance with "Sumitomo Chemical's Commitment to the Conservation of Biodiversity"	Ensured compliance with "Sumitomo Chemical's Commitment to the Conservation of Biodiversity" and promoted detailed initiatives	○	Ensure compliance with "Sumitomo Chemical's Commitment to the Conservation of Biodiversity"	
Product Stewardship / Product Safety / Quality Assurance						
Laws and regulations	Sumitomo Chemical	Continue to act precisely in accordance with domestic and overseas laws and regulations	Acted precisely in accordance with relevant laws and regulations	○	Continue to act precisely in accordance with domestic and overseas laws and regulations	
Chemicals management and information disclosure	Sumitomo Chemical	Continue to promote risk-based chemicals management and information disclosure	Systematically put in place risk assessment methods	○	Continue to promote risk-based chemicals management and information disclosure	
Chemical management system	Sumitomo Chemical	Continue to promote utilization of the comprehensive chemical management system (SuCESS) and develop concrete plans for expansion to Group companies	As part of our efforts to promote utilization of SuCESS, we introduced a substance volume tracking (SVT) system	○	Continue to promote utilization of the comprehensive chemical management system (SuCESS) and develop concrete plans for expansion to Group companies	pp. 45-49
Risk assessment	Sumitomo Chemical	Promotion of product safety risk assessments focused on high-risk products*3	Completed reassessments of all high-risk products and performed 134 risk assessments, including for high-risk products	○	Steadfastly perform product safety risk reassessments	
Logistics quality-related incidents	Sumitomo Chemical*4	No Rank A or Rank B incidents, two or fewer Rank C Incidents	No Rank A or Rank B incidents, one Rank C incident	○	No Rank A or Rank B incidents, two or fewer Rank C Incidents	

Note: Further details are provided in the supplementary data (pp. 50-74).

*1 Voluntary management targets that are stricter than the criteria of relevant laws and regulations, including agreements reached with local authorities.

*2 Keep hazardous materials strictly within Company premises: Controlled on the premises.

*3 High-risk products: Products likely to have relatively high risks in terms of the nature of the chemical substances in the product and their application.

*4 Includes some Group companies in Japan that have Works within a Sumitomo Chemical worksite.