




















GRI Guideline Comparative Table

Item	Indicator	Corresponding Page
1. Strategy and Analysis		
1.1	Statement from the most senior decisionmaker of the organization (e.g., CEO, chair, or equivalent senior position) about the relevance of sustainability to the organization and its strategy.	3-4
1.2	Description of key impacts, risks, and opportunities.	Shin-Etsu Chemical website-Financial & IR Information – Financial Report (Japanese only) 
2. Organizational Profile		
2.1	Name of the organization.	5-6
2.2	Primary brands, products, and/or services.	5-6
2.3	Operational structure of the organization, including main divisions, operating companies, subsidiaries, and joint ventures.	5-6, 16 Shin-Etsu Chemical website – Company Profile 
2.4	Location of organization's headquarters.	5-6, Back cover
2.5	Number of countries where the organization operates, and names of countries with either major operations or that are specifically relevant to the sustainability issues covered in the report.	Environmental Data 
2.6	Nature of ownership and legal form.	5-6 Shin-Etsu Chemical website – Company Profile 
2.7	Markets served (including geographic breakdown, sectors served, and types of customers/beneficiaries).	5-6 Shin-Etsu Chemical website – Company Profile 
2.8	Scale of the reporting organization, including: • Number of employees; • Number of operations; • Net sales (for private sector organizations) or net revenues (for public sector organizations); • Total capitalization broken down in terms of debt and equity (for private sector organizations); and • Quantity of products or services provided.	5-6 Shin-Etsu Chemical website-Financial & IR Information – Financial Report (Japanese only) 
2.9	Significant changes during the reporting period regarding size, structure, or ownership including: • The location of, or changes in operations, including facility openings, closings, and expansions; and • Changes in the share capital structure and other capital formation, maintenance, and alteration operations (for private sector organizations).	9-10
2.10	Awards received in the reporting period.	41
3. Report Parameters		
Report Profile		
3.1	Reporting period (e.g., fiscal/calendar year) for information provided.	2
3.2	Date of most recent previous report (if any).	Back cover
3.3	Reporting cycle (annual, biennial, etc.)	Back cover
3.4	Contact point for questions regarding the report or its contents.	Back cover
Report Scope and Boundary		
3.5	Process for defining report content, including: • Determining materiality; • Prioritizing topics within the report; and • Identifying stakeholders the organization expects to use the report.	12
3.6	Boundary of the report (e.g., countries, divisions, subsidiaries, leased facilities, joint ventures, suppliers). See GRI Boundary Protocol for further guidance.	2 Environmental Data 
3.7	State any specific limitations on the scope or boundary of the report.	2
3.8	Basis for reporting on joint ventures, subsidiaries, leased facilities, outsourced operations, and other entities that can significantly affect comparability from period to period and/or between organizations.	9-10
3.9	Data measurement techniques and the bases of calculations, including assumptions and techniques underlying estimations applied to the compilation of the Indicators and other information in the report.	21-22, 23, 24, 25-29, 31-32, 38
3.10	Explanation of the effect of any re-statements of information provided in earlier reports, and the reasons for such re-statement (e.g., mergers/ acquisitions, change of base years/periods, nature of business, measurement methods).	21
3.11	Significant changes from previous reporting periods in the scope, boundary, or measurement methods applied in the report.	2, 21
GRI Content Index		
3.12	Table identifying the location of the Standard Disclosures in the report.	GRI Guideline comparative table
Assurance		

GRI Guideline Comparative Table

Item	Indicator	Corresponding Page
3.13	Policy and current practice with regard to seeking external assurance for the report. If not included in the assurance report accompanying the sustainability report, explain the scope and basis of any external assurance provided. Also explain the relationship between the reporting organization and the assurance provider(s).	42
4. Governance, Commitments, and Engagement		
Governance		
4.1	Governance structure of the organization, including committees under the highest governance body responsible for specific tasks, such as setting strategy or organizational oversight.	13-16
4.2	Indicate whether the Chair of the highest governance body is also an executive officer (and, if so, their function within the organization's management and the reasons for this arrangement).	13-16
4.3	For organizations that have a unitary board structure, state the number and gender of members of the highest governance body that are independent and/or non-executive members.	13-14
4.4	Mechanisms for shareholders and employees to provide recommendations or direction to the highest governance body.	13, 37
4.5	Linkage between compensation for members of the highest governance body, senior managers, and executives (including departure arrangements), and the organization's performance (including social and environmental performance).	—
4.6	Processes in place for the highest governance body to ensure conflicts of interest are avoided.	14-15
4.7	Process for determining the composition, qualifications, and expertise of the members of the highest governance body and its committees, including any consideration of gender and other indicators of diversity.	—
4.8	Internally developed statements of mission or values, codes of conduct, and principles relevant to economic, environmental, and social performance and the status of their implementation.	1
4.9	Procedures of the highest governance body for overseeing the organization's identification and management of economic, environmental, and social performance, including relevant risks and opportunities, and adherence or compliance with internationally agreed standards, codes of conduct, and principles.	11-12
4.10	Processes for evaluating the highest governance body's own performance, particularly with respect to economic, environmental, and social performance.	14-15
Commitments to External Initiatives		
4.11	Explanation of whether and how the precautionary approach or principle is addressed by the organization.	13-16, 17, 18, 19, 33-34
4.12	Externally developed economic, environmental, and social charters, principles, or other initiatives to which the organization subscribes or endorses.	4, 12, 41
4.13	Memberships in associations (such as industry associations) and/or national/international advocacy organizations in which the organization: <ul style="list-style-type: none"> • Has positions in governance bodies; • Participates in projects or committees; • Provides substantive funding beyond routine membership dues; or • Views membership as strategic. 	40
Stakeholder Engagement		
4.14	List of stakeholder groups engaged by the organization.	12, 35-38, 39-40
4.15	Basis for identification and selection of stakeholders with whom to engage.	—
4.16	Approaches to stakeholder engagement, including frequency of engagement by type and by stakeholder group.	—
4.17	Key topics and concerns that have been raised through stakeholder engagement, and how the organization has responded to those key topics and concerns, including through its reporting.	—
5. Management Approach and Performance Indicators		
Economic Performance		
	Management Approach	Shin-Etsu Chemical website-Financial & IR Information 
EC1	Direct economic value generated and distributed, including revenues, operating costs, employee compensation, donations and other community investments, retained earnings, and payments to capital providers and governments.	Shin-Etsu Chemical website-Financial & IR Information – Financial Report  (Japanese only)
EC2	Financial implications and other risks and opportunities for the organization's activities due to climate change.	7-8, 21-22, 24
EC3	Coverage of the organization's defined benefit plan obligations.	—
EC4	Significant financial assistance received from government.	—
Market Presence		

GRI Guideline Comparative Table

Item	Indicator	Corresponding Page
EC5	Range of ratios of standard entry level wage by gender compared to local minimum wage at significant locations of operation.	—
EC6	Policy, practices, and proportion of spending on locally-based suppliers at significant locations of operation.	18
EC7	Procedures for local hiring and proportion of senior management hired from the local community at locations of significant operation.	—
Indirect Economic Impacts		
EC8	Development and impact of infrastructure investments and services provided primarily for public benefit through commercial, in-kind, or pro bono engagement.	9-10
EC9	Understanding and describing significant indirect economic impacts, including the extent of impacts.	—
Environmental Performance Indicators		
	Management Approach	3-4, 11
Materials		
EN1	Materials used by weight or volume.	23
EN2	Percentage of materials used that are recycled input materials.	23, 25, 28
Energy		
EN3	Direct energy consumption by primary energy source.	25 Environmental Data 
EN4	Indirect energy consumption by primary source.	25 Environmental Data 
EN5	Energy saved due to conservation and efficiency improvements.	25, 30 Environmental Data 
EN6	Initiatives to provide energy-efficient or renewable energy based products and services, and reductions in energy requirements as a result of these initiatives.	8
EN7	Initiatives to reduce indirect energy consumption and reductions achieved.	Environmental Data 
Water		
EN8	Total water withdrawal by source.	23, 25-26
EN9	Water sources significantly affected by withdrawal of water.	—
EN10	Percentage and total volume of water recycled and reused.	23, 25-26 Environmental Data 
Biodiversity		
EN11	Location and size of land owned, leased, managed in, or adjacent to, protected areas and areas of high biodiversity value outside protected areas.	—
EN12	Description of significant impacts of activities, products, and services on biodiversity in protected areas and areas of high biodiversity value outside protected areas.	28, 40
EN13	Habitats protected or restored.	—
EN14	Strategies, current actions, and future plans for managing impacts on biodiversity.	28
EN15	Number of IUCN Red List species and national conservation list species with habitats in areas affected by operations, by level of extinction risk.	—
Emissions, Effluents, and Waste		
EN16	Total direct and indirect greenhouse gas emissions by weight.	21, 25 Environmental Data 
EN17	Other relevant indirect greenhouse gas emissions by weight.	25 Environmental Data 
EN18	Initiatives to reduce greenhouse gas emissions and reductions achieved.	7-8, 23, 25, 30 Environmental Data 
EN19	Emissions of ozone-depleting substances by weight.	27
EN20	NO, SO, and other significant air emissions by type and weight.	23, 27-29 Environmental Data 
EN21	Total water discharge by quality and destination.	26
EN22	Total weight of waste by type and disposal method.	Environmental Data 
EN23	Total number and volume of significant spills.	29, 32
EN24	Weight of transported, imported, exported, or treated waste deemed hazardous under the terms of the Basel Convention Annex I, II, III, and VIII, and percentage of transported waste shipped internationally.	—

GRI Guideline Comparative Table

Item	Indicator	Corresponding Page
EN25	Identity, size, protected status, and biodiversity value of water bodies and related habitats significantly affected by the reporting organization's discharges of water and runoff.	—
Products and Services		
EN26	Initiatives to mitigate environmental impacts of products and services, and extent of impact mitigation.	7-8
EN27	Percentage of products sold and their packaging materials that are reclaimed by category.	—
Compliance		
EN28	Monetary value of significant fines and total number of non-monetary sanctions for noncompliance with environmental laws and regulations.	—
Transport		
EN29	Significant environmental impacts of transporting products and other goods and materials used for the organization's operations, and transporting members of the workforce.	—
Overall		
EN30	Total environmental protection expenditures and investments by type.	24
Labor Practices and Decent Work		
	Management Approach	3-4, 35
Employment		
LA1	Total workforce by employment type, employment contract, and region, broken down by gender.	—
LA2	Total number and rate of new employee hires and employee turnover by age group, gender, and region.	—
LA3	Benefits provided to full-time employees that are not provided to temporary or parttime employees, by significant locations of operation.	35-38
Labor/Management Relations		
LA4	Percentage of employees covered by collective bargaining agreements.	—
LA5	Minimum notice period(s) regarding operational changes, including whether it is specified in collective agreements.	—
Occupational Health and Safety		
LA6	Percentage of total workforce represented in formal joint management-worker health and safety committees that help monitor and advise on occupational health and safety programs.	—
LA7	Rates of injury, occupational diseases, lost days, and absenteeism, and total number of work-related fatalities, by region and by gender.	32
LA8	Education, training, counseling, prevention, and risk-control programs in place to assist workforce members, their families, or community members regarding serious diseases.	35
LA9	Health and safety topics covered in formal agreements with trade unions.	—
Training and Education		
LA10	Average hours of training per year per employee by gender, and by employee category.	—
LA11	Programs for skills management and lifelong learning that support the continued employability of employees and assist them in managing career endings.	35-37
LA12	Percentage of employees receiving regular performance and career development reviews, by gender.	—
Diversity and Equal Opportunity		
LA13	Composition of governance bodies and breakdown of employees per employee category according to gender, age group, minority group membership, and other indicators of diversity.	—
Equal Remuneration for Women and Men		
LA14	Ratio of basic salary and remuneration of women to men by employee category, by significant locations of operation.	—
Human Rights Performance Indicators		
	Management Approach	4, 35
Investment and Procurement Practices		
HR1	Percentage and total number of significant investment agreements and contracts that include clauses incorporating human rights concerns, or that have undergone human rights screening.	—
HR2	Percentage of significant suppliers, contractors, and other business partners that have undergone human rights screening, and actions taken.	—

GRI Guideline Comparative Table

Item	Indicator	Corresponding Page
HR3	Total hours of employee training on policies and procedures concerning aspects of human rights that are relevant to operations, including the percentage of employees trained.	35
Non-discrimination		
HR4	Total number of incidents of discrimination and corrective actions taken.	—
Freedom of Association and Collective Bargaining		
HR5	Operations and significant suppliers identified in which the right to exercise freedom of association and collective bargaining may be violated or at significant risk, and actions taken to support these rights.	—
Child Labor		
HR6	Operations and significant suppliers identified as having significant risk for incidents of child labor, and measures taken to contribute to the effective abolition of child labor.	—
Forced and Compulsory Labor		
HR7	Operations and significant suppliers identified as having significant risk for incidents of forced or compulsory labor, and measures to contribute to the elimination of all forms of forced or compulsory labor.	—
Security Practices		
HR8	Percentage of security personnel trained in the organization's policies or procedures concerning aspects of human rights that are relevant to operations.	—
Indigenous Rights		
HR9	Total number of incidents of violations involving rights of indigenous people and actions taken.	—
Society Performance Indicators		
	Management Approach	4, 11
Local Communities		
SO1	Percentage of operations with implemented local community engagement, impact assessments, and development programs.	—
Corruption		
SO2	Percentage and total number of business units analyzed for risks related to corruption.	—
SO3	Percentage of employees trained in organization's anti-corruption policies and procedures.	—
SO4	Actions taken in response to incidents of corruption.	
Public Policy		
SO5	Public policy positions and participation in public policy development and lobbying.	—
SO6	Total value of financial and in-kind contributions to political parties, politicians, and related institutions by country.	—
Anti-Competitive Behavior		
SO7	Total number of legal actions for anticompetitive behavior, anti-trust, and monopoly practices and their outcomes.	—
Compliance		
SO8	Monetary value of significant fines and total number of non-monetary sanctions for noncompliance with laws and regulations.	—
Product Responsibility Performance Indicators		
	Management Approach	33-34
Customer Health and Safety		
PR1	Life cycle stages in which health and safety impacts of products and services are assessed for improvement, and percentage of significant products and services categories subject to such procedures.	8, 33-34
PR2	Total number of incidents of non-compliance with regulations and voluntary codes concerning health and safety impacts of products and services during their life cycle, by type of outcomes.	—
Product and Service Labeling		
PR3	Type of product and service information required by procedures, and percentage of significant products and services subject to such information requirements.	33
PR4	Total number of incidents of non-compliance with regulations and voluntary codes concerning product and service information and labeling, by type of outcomes.	—
PR5	Practices related to customer satisfaction, including results of surveys measuring customer satisfaction.	—
Marketing Communications		
PR6	Programs for adherence to laws, standards, and voluntary codes related to marketing communications, including advertising, promotion, and sponsorship.	—

GRI Guideline Comparative Table

Item	Indicator	Corresponding Page
PR7	Total number of incidents of non-compliance with regulations and voluntary codes concerning marketing communications, including advertising, promotion, and sponsorship by type of outcomes.	—
Customer Privacy		
PR8	Total number of substantiated complaints regarding breaches of customer privacy and losses of customer data.	—
Compliance		
PR9	Monetary value of significant fines for noncompliance with laws and regulations concerning the provision and use of products and services.	—