



Chemicals

Driving forces

The chemical industry includes companies that manufacture commodity chemicals, industrial gases, agricultural chemicals, and specialty chemicals. Because chemicals serve as inputs for all kinds of end uses, ranging from petroleum refining, food, automobile, textile to electronics, this industry is crucial for all sectors. Today, chemical companies contribute to sustainable development by supplying products with higher levels of performance, efficiency, and safety with lower environmental impact and risk. This requires that companies concentrate on multiple important issues such as innovation, product stewardship, operational eco-efficiency, health and safety, human capital development, and customer relationship management. Chemical companies must conduct product risk assessments to understand their hazardous properties and potential exposure to human and environmental impacts to mitigate and manage product risk. Companies can apply technological innovations not just product development, but also to operations in their pursuit of enhanced productivity and safety.

Highlighted criteria & Dimension weight

- Economic Dimension 35%
 - Codes of Business Conduct
 - Innovation Management
 - Customer Relationship Management
- Environmental Dimension 33%
 - Operational Eco-Efficiency
 - Climate Strategy
 - Product Stewardship
 - Water Related Risks
- Social Dimension 32%
 - Occupational Health and Safety
 - Human Capital Development

Sustainability leaders 2019

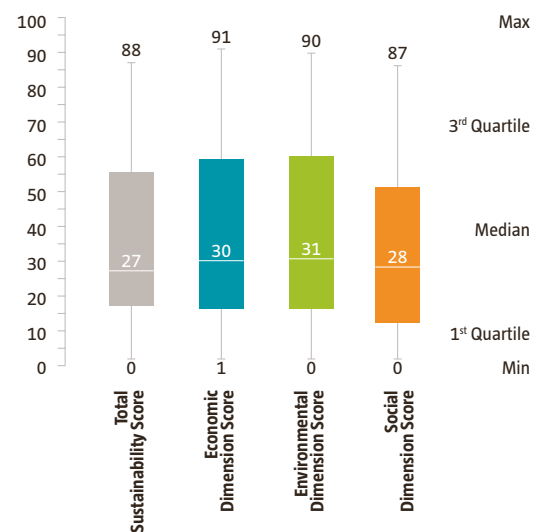
SAM Gold Class ●	
Koninklijke DSM NV	Netherlands
SAM Silver Class ●	
Linde PLC	United States
SAM Bronze Class ●	
LANXESS AG	Germany
Akzo Nobel NV	Netherlands
PTT Global Chemical PCL	Thailand
Clariant AG	Switzerland
Sustainability Yearbook Members ●	
Indorama Ventures PCL	Thailand
Mitsubishi Chemical Holdings Corp	Japan
Evonik Industries AG	Germany
Solvay SA	Belgium
Braskem SA	Brazil
DowDuPont Inc	United States
DIC Corp	Japan
Ecolab Inc	United States
LG Chem Ltd	South Korea
International Flavors & Fragrances Inc *	United States
Air Products & Chemicals Inc	United States
Incitec Pivot Ltd	Australia
Novozymes A/S	Denmark

* SAM Industry Mover

Industry statistics

Number of companies in universe	128
Number of companies assessed in 2018	106
Assessed companies to total companies in universe	83%
Market of assessed companies to total market	96%

Results at industry level



The box-and-whisker plot describes the distribution of scores in the industry, based on all assessed companies. More information is available in the Reading Instructions in the introduction.