

# Zeon Chemicals Singapore Pte. Ltd. (ZCS)

## Company Profile

### Business Description

Manufacture and sales of synthetic rubber, primarily for fuel-efficient tires

- S-SBR: Solution-polymerized styrene butadiene rubber
- Terminal modified butadiene rubber

Established in 2010, Zeon Chemicals Singapore began full production of S-SBR for fuel-efficient tires on Jurong Island, Singapore, in April 2014. ZCS began a second production line in April 2016, and ships products to countries in Asia, Europe, and around the world.

### Location

Jurong Island, Singapore

### No. of Employees

As of March 31, 2020: 100

Hiring in FY 2019: 8



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Product image



Fuel-efficient tire made with S-SBR

## Company Policy (Executive Message)

A company that manufactures and sells synthetic rubber for fuel-saving tires that contribute to the global environment with the aim of embodying Zeon's philosophy of "Contributing to the preservation of the Earth and the prosperity of the human race."

Our code of conduct is to meet the expectations of society and satisfy our customers. The foundation of achieving this is the happiness of our employees.

We seek to remain a company where "safety is the foundation of our business activities and takes precedence over everything else." Not only do our products contribute to reducing global warming gas emissions, we are also working to maintain the sites that manufacture those products as safe and earth-friendly work sites.



President  
Hiroshi Takegami

## Safety Initiatives

### Policy

We decide the action items to achieve our goals of zero lost-time accidents and zero serious safety abnormalities.

### Specific Initiatives

1. Monthly safety patrols
2. Systematic acquisition of qualifications by employees
3. Periodic trainings using safety videos
4. Regular checks of safety indicators decided by each department

## Environmental Impact Reductions

### Policy

Our environmental policy is established as part of the HSE Policy\*

\* HSE Policy: Health, safety, and environment policy

### Specific Initiatives

Water resources are a particular problem in Singapore with its limited land area. In order to use water, which is a precious resource, more efficiently, we are continuing to implement measures to reduce our industrial water consumption per unit of production, and in FY 2019, we cut water usage by about 2% year on year. In addition, we are taking measures to reduce energy consumption and CO<sub>2</sub> emissions. In FY 2019, we successfully cut energy consumption per unit of production by 6% year on year, and we are committed to making further reductions in the future.

### Environmental Data

Zeon Chemicals Singapore Pte. Ltd. (ZCS)		FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Industrial waste	Amount generated before compacting (tons)	0	0	0	0	0
	Amount sent to landfills (tons)	0	0	0	0	0
Water resource consumption (1,000 m <sup>3</sup> ) (industrial water + groundwater + waterworks)		402	417	458	471	433
CO <sub>2</sub> emissions (tons)		43,533	56,400	67,221	62,396	56,031
Energy consumption (crude oil equivalent, kL)		19,227	24,911	29,680	27,536	24,741

## Relationship with Employees

### Policy

Human resources are assets vital to the success of our business, and we will solidify our business foundation by accurately and fairly conducting activities related to recruitment, placement, training, evaluation, and treatment of employees, contributing to society and achieving happy employees.

### Specific Initiatives

Conduct hiring with an open door, irrespective of gender or race. Appoint locally-hired employees to key positions and develop and utilize local managers and supervisors. Incorporate training by instructors from plants in Japan and dispatch employees to Japan for training.

## Relationship with the Local Community

### Specific Initiatives

As more than 90% of our employees are local hires, we contribute to the local community through employment. We are creating new employment opportunities on an ongoing basis.

In addition, 30% of employees who play key roles in plant operations receive plant operation management training in Japan, contributing to the transfer of technology.