

What contributions KANEKA can make to SDG9

KANEKA CORPORATION

2018.04.17

KanekaCorporate DataThe Dreamology Compo -Make your dreams come true	
Name	KANEKA CORPORATION
Date of establishment	September 1, 1949
Paid-in Capital	33,046 million yen (as of March 31,2017)
Net Sales	548,222 million yen (as of March 31,2017)
Number of employees	9,666 (consolidated basis/as of March 31,2017)
Line of business	Chemicals, Functional Plastics, Expandable Plastics and Products, Foodstuffs Products, Life Science Products, Electronic Products, Synthetic Fibers and Others
Head Office	Tokyo (JAPAN)
Domestic Facilities	Office: Nagoya Plant: Takasago (Hyogo), Osaka, Shiga, Kashima (Ibaraki)
Oversea Facilities	U.S.A. / Belgium / Singapore / Malaysia / Australia / China /India/ Brazil etc

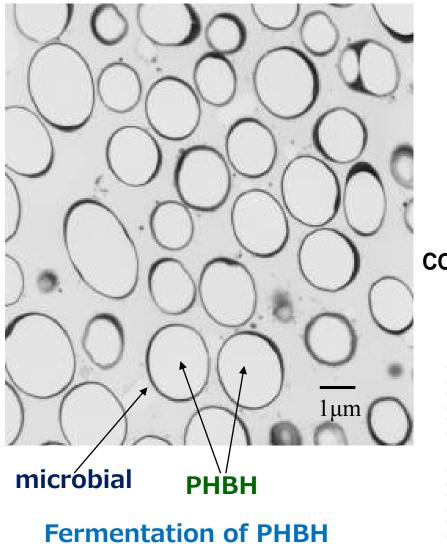
Kaneka's Corporate Philosophy

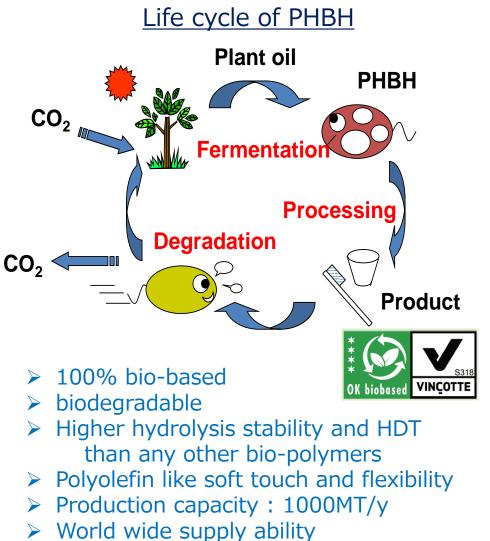
With people and technology growing together into creative fusion, we will break fresh ground for the future and tie in to explore New Values. We are also committed to challenge the environmental issues of our planet and contribute to upgrading the quality of life.

人と、技術の創造的融合により未来を切り拓く価値を共創し、 地球環境とゆたかな暮らしに貢献します。



PHBH produced by microbial fermentation from plant oils.

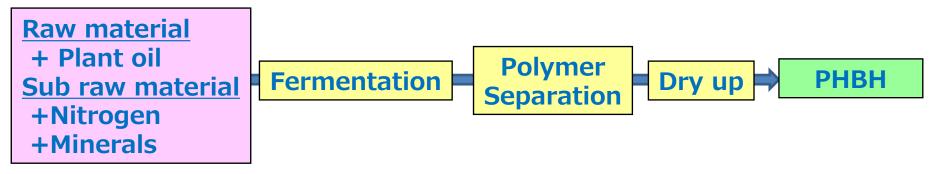




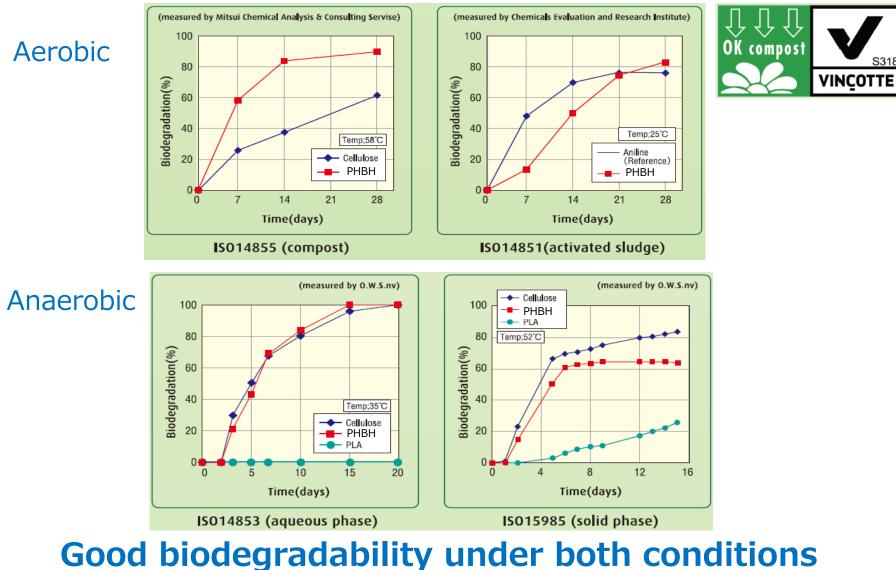
Example of applications



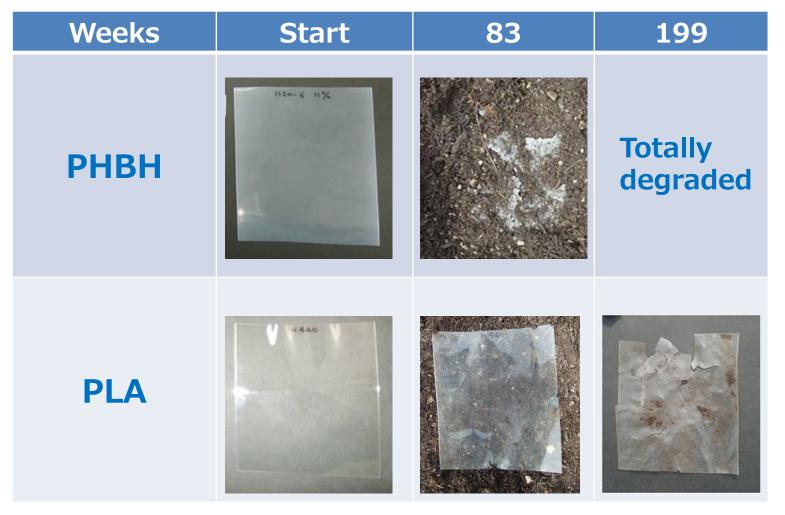
Production scheme of PHBH



Biodegradability



Biodegradability in Soil

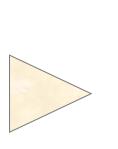


Sample : 10 µm thickness Sol : KANEKA Osaka Factory

Biodegradability in Sea water

Test sample (PHBH film)









Sample : 10 µm thickness Condition : 23°C, aerobic Sea water : from Osaka bay, Japan

PHBH film was degraded and disappeared in sea water.

Certifications for biodegradation

OK compost HOME Low residual heavy metal Compostable under 28°C (>90% in 6months) Disintegration under 28°C (>90% in 6months) No disturbance of plant growth

OK biodegradable MARINE

Low residual heavy metal Compostable under 30°C in sea water (>90% in 6months) Disintegration under 30°C in sea water (>90% in 6months) No environmental toxicity





See also: <u>http://www.okcompost.be/en/home/</u>

Environmental impact of Plastic waste

Diffusion of one way use plastic material leaked to environment
Microplastic waste in marine environment

	EU Directives	
94/62/EC	Packaging and packaging waste directive	Minimisation of packaging volume and weight

Similar laws and regulations of other countries More than 40 countries (Kenya, Rwanda, Italy etc.)

(2017.09.06 NewsWeek web)

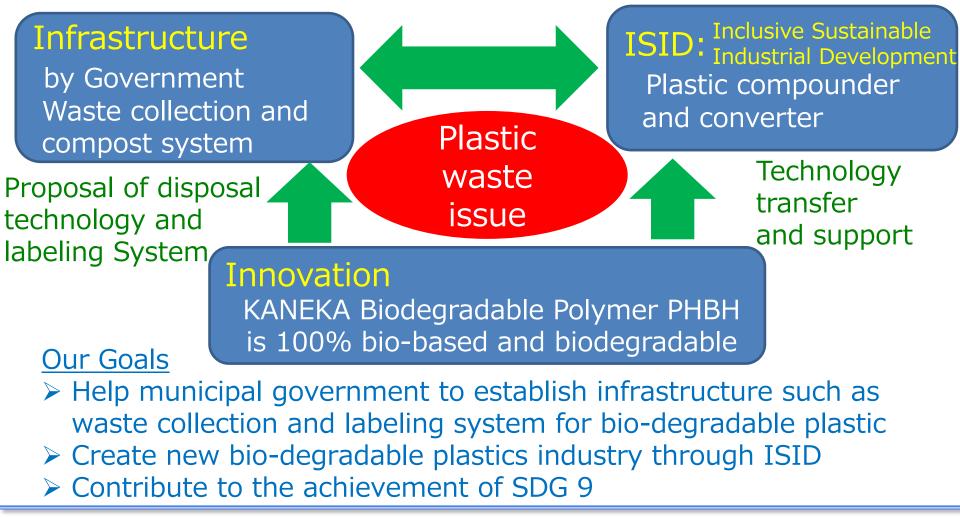
French Law		
2016 Energy Transition for Green Growth Law	Single-use Plastic bag below a thickness of 50 μ m ban	
	Green Growth	Exempt from the ban for fruit and vegetables bag which are made from bio-sourced materials and home compostable

Serious issue for developing and developed countries

Kaneka Proposal of Kaneka

Our Proposal

Contribute to solution of environmental issue by promotion of biodegradable plastic by receiving support from UNIDO





Thank you for your attention

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