




Material Balance in Production Activities

INPUT

Energy and Resources

	 Main Raw Materials*	 Energy (Crude oil equivalent)	 Water
● Kaneka	1,160,000 tons/year	441,000 kL/year	22,900,000 m ³ /year
● Domestic group companies	310,000 tons/year	67,000 kL/year	3,970,000 m ³ /year
● Overseas group companies	234,000 tons/year	108,000 kL/year	5,080,000 m ³ /year

* Includes only those raw materials that can be calculated in or converted to tons



kaneka

Domestic group companies

Overseas group companies

Takasago Plant

Osaka Plant

Shiga Plant

Kashima Plant

25

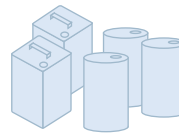
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OUTPUT

Discharge, Recycling and Products

Products*

	Products
● Kaneka	1,493,000 tons/year
● Domestic group companies	245,000 tons/year
● Overseas group companies	204,000 tons/year



* Includes only those products that can be calculated in or converted to tons

To the Atmosphere

	CO ₂	SO _x	NO _x
● Kaneka	1,054,000 tons-CO ₂ /year	64.3 tons/year	699.3 tons/year
● Domestic group companies	129,000 tons-CO ₂ /year	86.7 tons/year	65.7 tons/year
● Overseas group companies	195,000 tons-CO ₂ /year	2.3 tons/year	157.5 tons/year

	Soot and dust	PRTR Law-designated substances
● Kaneka	29.5 tons/year	69.0 tons/year
● Domestic group companies	2.9 tons/year	110.8 tons/year
● Overseas group companies	53.5 tons/year	—



To Water Systems

	COD	SS	PRTR Law-designated substances
● Kaneka	240.1 tons/year	128.8 tons/year	7.6 tons/year
● Domestic group companies	4.0 tons/year	4.5 tons/year	0.0 tons/year
● Overseas group companies	18.7 tons/year	5.3 tons/year	—

	Nitrogen	Phosphorous
● Kaneka	135.7 tons/year	3.2 tons/year
● Domestic group companies	0.8 tons/year	0.1 tons/year
● Overseas group companies	0.1 tons/year	0.0 tons/year



As Waste

	Final landfills	External recycling	External reduction
● Kaneka	70 tons/year	40,753 tons/year	6,659 tons/year
● Domestic group companies	517 tons/year	4,863 tons/year	4,642 tons/year
● Overseas group companies	5,569 tons/year	1,575 tons/year	6,189 tons/year



Environmental Management Systems

Our lifestyles put great burdens on the natural environment, and the survival of humanity itself is now being threatened. Businesses, which are responsible for the majority of economic activities, are expected to make proactive efforts to tackle environmental issues regardless of their size or business field.

In the Kaneka Group, we have built environmental management systems for all our manufacturing companies in Japan, and we are working to prevent the occurrence of environmental problems and respond to them quickly should they occur. We have created a rule that large group companies and small and mid-sized group companies are expected to respectively acquire ISO 14001 certification and Eco-Action 21 certification, which is endorsed by the Ministry of the Environment of Japan, in order to establish their environmental management systems. We began efforts to acquire Eco-Action 21 certification in the 1996 fiscal year. As of April 2009, 17 plants at 16 companies had acquired it.

Acquisition of ISO 14001 Certification by Kaneka and Group Companies

Business Establishments and Group Companies	Specification No.	Registration Date	Registration No.
Shiga Plant	JIS Q14001('04)	March 1998	JCQA-E-0015
Osaka Plant	JIS Q14001('04)	April 1999	JCQA-E-0053
Kashima Plant	JIS Q14001('04)	April 1999	JCQA-E-0054
Takasago Plant	JIS Q14001('04)	January 2000	JCQA-E-0105
Tochigi Kaneka Corporation	JIS Q14001('04)	April 2001	JCQA-E-0256
Osaka Synthetic Chemical Laboratories, Inc.	JIS Q14001('04)	January 2002	JCQA-E-0343
Tatsuta Chemical Co., Ltd.	JIS Q14001('04)	April 2004	JCQA-E-0553
Showa Kaseikogyo Co., Ltd.	JIS Q14001('04)	January 2008	E0062
Kaneka Belgium N.V.	ISO 14001('04)	October 1997	97EMS002b
Kaneka (Malaysia) Sdn. Bhd.	ISO 14001('04)	January 2007	K021300001
Kaneka Paste Polymers Sdn. Bhd.	ISO 14001('04)	February 2008	ER0570
Kaneka Eperan Sdn. Bhd.	ISO 14001('04)	February 2008	ER0571

State of Eco-Action 21 Certification Acquisition

Group Companies	Date of certification registration	Certification registration Number
Kyushu Kanelite Co., Ltd.	June 15, 2007	0001637
Hokkaido Kaneppearl Co., Ltd.	September 3, 2007	0001805
Kaneka Medix Corporation	September 28, 2007	0001893
Hokkaido Kaneka Co., Ltd.	October 2, 2007	0001905
Miyagi Jushi Co., Ltd.	May 14, 2008	0002472
Koto Co., Ltd.	May 26, 2008	0002501
Monbetsu Kasei Co., Ltd.	September 8, 2008	0002897
Shibetsu Kasei Co., Ltd.	November 11, 2008	0003066
Nagashimashokuhin Co., Ltd.	November 18, 2008	0003093
Sanwa Kaseikogyo Co., Ltd.	January 16, 2009	0003247
Tsukasa Co., Ltd.	February 2, 2009	0003274
Cosmo Kasei Co., Ltd.	February 23, 2009	0003340
Tokyo Kaneka Food Co., Ltd.	March 31, 2009	0003473
Taiyo Yushi Co., Ltd.	March 31, 2009	0003575
Kaneka Food Co., Ltd.	April 2, 2009	0003491
Kaneka Sun Spice Co., Ltd. Shiga Plant	April 22, 2009	0003556
Kaneka Sun Spice Co., Ltd. Ibaraki Plant	April 22, 2009	0003566

Environmental Compliance

The Kaneka Group regularly confirms the status of our compliance with laws and regulations, agreements with local governments and other rules related to the environment through ISO 14001 internal audits, RC internal audits, Comprehensive Inspections and other efforts. In fiscal 2008, we did not receive any penalties, warnings or directives from national, prefectural, or municipal governments related to air, discharged water, odor, noise pollution or other issues.

We did, however, receive one complaint related to the environment about a fine resin powder blown in the air. Due to a malfunction causing resin to become stuck in a drying line, some resin powder blew away and a thin layer of it accumulated on a drum can at a neighboring plant. We responded immediately after being contacted and stopped the resin from blowing away. As a measure to prevent recurrence of this problem, we are regularly checking whether or not line is becoming blocked, and we also plan to improve our resin blockage detection equipment.