Environment

Production-related Inputs and Outputs | Raw Materials / Production Volume | Basic Approach to Climate Change Mitigation | Greenhouse Gas (GHG) Emissions | Basic Approach to Resource Use | Energy Management | Water Resources | Resource Recycling | PRTR Law Substances | Pollution Prevention | Environmental Accounting | Biodiversity Conservation Project Expenditures | Environment-related Accidents / Violations of Environmental Laws and Regulations | Status of External Certification

Production-related Inputs and Outputs (Non-consolidated)

Input			
Raw materials	0.59Mt		Production v
Energy (as crude oil equivalent)	531ML		GHG emissio
Water withdrawal	28Mm ³	7	Water discha

Output	
Production volume	0.74Mt
GHG emissions	0.959Mt-CO ₂ -e
Water discharge	25Mm ³
External waste discharge	14kt
Recycling	23kt

Raw Materials / Production Volume (Non-consolidated)

Indicator	Unit	FY2020	FY2021	FY2022	FY2023
Raw material input	kt	704	770	693	587
Production volume	kt	1,144	1,011	739	742

Basic Approach to Climate Change Mitigation

- 1. Formulate targets for reducing Scope 1 and 2^{*1} GHG emissions and steadily reduce them through planning, execution, monitoring and reassessment.
- 2. Assess, manage, monitor and proactively disclose Scope 3^{*2} GHG emissions and take action to reduce them in collaboration with suppliers.
- 3. Improve energy efficiency and raw materials' carbon cycle and promote energy transition toward realization of a zero-carbon society by 2050.
- Contribute to solving energy and climate change challenges through business operations by deploying innovative process technologies and factoring whole-lifecycle GHG emissions into design and development processes.
- 5. Disclose information through climate change initiatives*³.
- *1 Scope 1 emissions are GHG emissions directly generated by MGC. Scope 2 emissions are indirect GHG emissions associated with the use of energy (mainly electric power) purchased from external suppliers.
- *2 Scope 3 emissions are indirect GHG emissions generated in supply chains through organizational activities such as raw material sourcing, manufacturing, distribution, sales and waste disposal.
- *3 MGC proactively participates in various collaborative activities to mitigate climate change (climate change initiatives)

Basic Approach to Mitigation of Climate Change

The MGC Group recognizes responding to climate change as a universal global issue that surpasses national borders and requires unified initiatives between companies in Japan and overseas. In response to the rising global demand for decarbonization, in March 2022 the Group set a target of achieving carbon neutrality in the Mitsubishi Gas Chemical Group's GHG emissions by 2050. To achieve this target, we will strive to realize a decarbonized society through proactive measures including the use of low-carbon fuel and raw materials, promotion of energy saving, conversion to renewable energy, ultra-stable operation of production equipment, improvement of outputs through use of high-efficiency equipment, and transition to smart operations through the introduction of new technologies.

Furthermore, the Group is committed to upholding laws, regulations, and government policies related to climate change and reduction of energy usage at its companies in Japan and overseas, and responding appropriately to them (in the case of Japan, the relevant laws include the Act on Promotion of Global Warming Countermeasures and the Act on Rationalizing Energy Use).

Involvement with Industry Groups and Initiatives

The MGC Group announced its agreement with the basic concept of the GX (Green Transformation) League announced by the Ministry of Economy, Trade and Industry in March 2022, and has participated in the GX League since April 2023.

The GX League is an initiative to promote GX through companies that demonstrate leadership in resolutely striving to transition towards carbon neutrality.

Participating companies are required to autonomously disclose their reduction targets and progress, and to take initiatives to reach their targets.

MGC has participated in various meetings held by the GX League to gather information and share it internally with a view to bringing its climate change strategies in line with the League's position.

Furthermore, we confirm that the League's information is in alignment with our own position and approach, and in cases where there is a conflict, we discuss and make adjustments at the Carbon Neutrality Promotion Technical Committee, which is composed of members from the Production Technology Division, the Corporate Planning Division, the Business Administrative Division, and the Sustainability Promotion Department. Through this process, we match our climate change strategy with our activities with the GX League.

Greenhouse Gas (GHG) Emissions

Scope1+2 (Consolidated)

Indicator	Unit	FY2020	FY2021	FY2022	FY2023
Indicator	Unit	Consolidated	Consolidated	Consolidated	Consolidated
CO ₂ emissions from non-energy use	kt-CO ₂ -e	1,283	1,379	1,219	1,289
CO ₂ emissions from non-energy use	kt-CO ₂ -e	75	101	91	90
CH ₄	kt-CO ₂ -e	4	3	14	10
N ₂ O	kt-CO ₂ -e	1	0	1	5
HFCs	kt-CO ₂ -e	1	3	1	3
PFCs	kt-CO ₂ -e	0	0	0	0
SF ₆	kt-CO ₂ -e	0	0	0	0
NF3	kt-CO ₂ -e	0	0	0	0
Total	kt-CO ₂ -e	1,363	1,487	1,326	1,396
Scope1	kt-CO ₂ -e	653	770	743	715
Scope2 (market based)	kt-CO ₂ -e	709	717	583	682
GHG emissions intensity ratio per unit to sales	t-CO2-e / million yen	2.3	2.1	1.7	1.7

Notes: 1. Due to rounding off figures, there are places where the sums for each item do not match the total. 2. Data for prior fiscal years were revised to reflect changes in the Group's composition and revision of calculation standards.

3. For the above table's reporting boundaries, see page 24-25.

4. We have reviewed past data and revised figures.

Scope 3 (Consolidated)

Catagony	Unit	FY2020	FY2021	FY2022	FY2023
Category	Unit	Consolidated	Consolidated	Consolidated	Consolidated
Purchased goods and services	kt CO ₂ -e	6,110	7,780	5,856	5,325
Capital goods	kt CO ₂ -e	109	161	179	230
Activities related to fuels and energy not includable in Scopes 1 and 2	kt CO ₂ -e	235	266	275	280
Transportation and distribution (upstream)	kt CO ₂ -e	642	703	301	337
Waste generated in operations	kt CO ₂ -e	6	5	9	8
Business travel	kt CO ₂ -e	1	1	1	1
Employee commuting	kt CO ₂ -e	1	1	1	1
Leased assets (upstream)	kt CO ₂ -e	7	7	3	3
Transportation and distribution (downstream)	kt CO ₂ -e	212	150	71	154
Processing of sold products	kt CO ₂ -e	_	_	_	_
Use of sold products	kt CO ₂ -e	—	75	419	277
End-of-life treatment of sold products	kt CO ₂ -e	2,530	3,841	2,963	2,647
Leased assets (downstream)	kt CO ₂ -e	26	1	2	2
Franchises	kt CO ₂ -e	0	0	0	0
Investments	kt CO ₂ -e	—	_	_	_
Total	kt CO ₂ -e	9,172	11,358	9,374	9,265

 Notes:
 1. Due to rounding off figures, there are places where the sums for each item do not match the total.

 2. Data for prior fiscal years were revised to reflect changes in the Group's composition and revision of calculation

standards.

3. For the above table's reporting boundaries, see page 24-25.

4. We have reviewed past data and revised figures.

GHG emissions per unit of sales (Non-consolidated)

Indicator	Unit	FY2020	FY2021	FY2022	FY2023
GHG emissions(Non-consolidated)	kt CO ₂ -e	780	812	725	696
GHG emissions per unit of sales	kt CO ₂ -e / million yen	0.0023	0.0019	0.0016	0.0017

GHG Emissions in Transportation Sector (Non-consolidated)

Indicator	Unit	FY2020	FY2021	FY2022	FY2023
By rail	kt CO ₂ -e	0.57	0.60	0.62	0.53
By ship	kt CO ₂ -e	9.9	11.5	10.4	9.3
By truck	kt CO ₂ -e	16.2	16.9	15.1	12.8

Basic Approach to Resource Use

The MGC Group promotes efficient utilization of fuel and other resources (including product raw materials) and development of innovative process technologies at its domestic and overseas production sites and contributes to reduction in GHG emissions.

Use of Resources

The MGC Group is promoting Carbopath[™], a concept for a circular environmental platform. We have started examining commercialization of a process that uses catalyst development and synthesis technologies cultivated over many years to convert atmospheric CO2 emissions and waste plastic into methanol, thereby recycling it for use in chemicals, fuel, and power generation applications. We will further accelerate collaboration with companies and local governments, aiming to transform society with a circular economy.

Energy Management

Energy Use (Ratio of grid power, renewable energy and self-generated energy)

(Non-consolidated)

Indicator	Unit	FY2020	FY2021	FY2022	FY2023
Total energy use	MWh	3,200,968	3,475,701	3,176,431	3,006,312
Ratio of grid power	—	9.7%	9.4%	9.6%	8.4%
Ratio of renewable energy	—	0.0%	0.0%	0.6%	1.0%
Total self-generated energy	MWh	243,556	260,992	243,480	236,937

Notes: 1. Calculated based on SASB standards

2. We have reviewed past data and revised figures.

Energy Use (Ratio of grid power, renewable energy and self-generated energy) (Consolidated)

Indicator	Unit	FY2020	FY2021	FY2022	FY2023
Total energy use	MWh	—	_	5,060,414	5,108,119
Ratio of grid power		—	—	17.5%	18.2%
Ratio of renewable energy	_	—	—	1.2%	1.5%
Total self-generated energy	MWh	—	—	264,238	254,802

Note: For the above table's reporting boundaries, see page 24-25.

Energy Use (Ratio of renewable/non-renewable energy) (Non-consolidated)

Unit	FY2020	FY2021	FY2022	FY2023
MWh	2,607,820	2,820,676	2,592,443	2,488,961
MWh- purchased electricity	309,315	331,496	303,900	253,414
MWh	345,762	392,187	342,541	331,193
MWh	10	12	18,990	31,483
MWh	61,928	68,658	62,452	67,256
MWh	3,200,968	3,475,701	3,176,431	3,006,312
	MWh MWh- purchased electricity MWh MWh	MWh purchased electricity2,607,820MWh- purchased electricity309,315MWh345,762MWh10MWh61,928	MWh 2,607,820 2,820,676 MWh-purchased electricity 309,315 331,496 MWh 345,762 392,187 MWh 10 12 MWh 61,928 68,658	MWh 2,607,820 2,820,676 2,592,443 MWh-purchased electricity 309,315 331,496 303,900 MWh 345,762 392,187 342,541 MWh 10 12 18,990 MWh 61,928 68,658 62,452

Note: We have reviewed past data and revised figures.

Energy Use (Ratio of renewable/non-renewable energy) (Consolidated)

Indicator	Unit	FY2020	FY2021	FY2022	FY2023
Nonrenewable fuels purchased and consumed (A) (nuclear power, coal, oil, natural gas, etc.)	MWh	_	_	3,350,502	3,197,249
Nonrenewable Electricity purchased (B)	MWh- purchased electricity	_		887,187	930,644
Steam, heat, cooling and other nonrenewable energy purchased (C)	MWh	-	-	885,177	1,047,482
Renewable energy purchased or generated. (D) (wind, energy solar, biomass, hydroelectric, geothermal etc.)	MWh	-	-	60,824	79,876
Non-renewable energy sold (E) (electricity, heating, cooling)	MWh	_	-	62,452	67,256
Total non-renewable energy consumed (A+B+C-E)	MWh	_	_	5,060,414	5,108,119

Notes: 1. For the above table's reporting boundaries, see page 24-25. 2. We have reviewed past data and revised figures.

Energy Use (crude oil equivalent) (Non-consolidated)

Indicator	Unit	FY2020	FY2021	FY2022	FY2023
Production and research divisions, Corporate Sector	ML-crude oil equivalent	359	380	347	322
Logistics division	ML-crude oil equivalent	10	10	10	9
Energy intensity (Logistic division)	KL/million-ton kilo	20	20	21	20

Note: We have reviewed past data and revised figures.

Energy Use (crude oil equivalent) (Consolidated)

Indicator	Unit	FY2020	FY2021	FY2022	FY2023
Production and research divisions, Corporate Sector	ML-crude oil equivalent	_	Ι	633	640

Note: For the above table's reporting boundaries, see page 24-25.

Energy consumption per unit of sales (Non-consolidated)

Indicator	Unit	FY2020	FY2021	FY2022	FY2023
Energy use	ML-crude oil equivalent	359	380	347	322
Energy consumption per unit of sales	ML-crude oil equivalent / million yen	0.00104	0.00089	0.00079	0.00080

Note: We have reviewed past data and revised figures.

Water Resources (Non-consolidated)

Water Resource Risk Management

MGC uses large quantities of water, both as a raw material of chemical products and for various other purposes, including steam-heating and cooling in chemical manufacturing processes, product refining and cleaning containers. To sustainably use water resources essential to manufacturing chemicals, MGC manages a variety of risks. Specifically, MGC monitors its actual water consumption and uses water efficiently by measuring water withdrawal, water discharge, water usage and water recycling. In drawing from water sources, MGC restricts its intake to permitted quantities in accord with applicable laws or agreements with municipalities. Additionally, MGC discharges wastewater into rivers, the sea or other public water bodies in compliance with effluent standards after treating it to filter out identified pollutants. Data on these water-related environmental impacts are presented in detail below.

Additionally, MGC maintains a sanitary water-use environment at all its sites to provide its workforce with access to properly functioning, safely managed sanitary facilities (wash service).

From a business continuity standpoint, MGC has identified production downtime due to drought or flooding of production facilities as a water-related risk, formulated a business continuity plan (BCPs) that addresses this risk and implemented measures to mitigate it. None of the areas in which MGC's plants are located has experienced either adverse impacts on production activities due to water stress or conflicts with stakeholders regarding use of water resources.

Meanwhile, MGC sees opportunities in businesses that provide solutions for issues surrounding the coolant water of air conditioning equipment and cooling systems. Such solutions include water treatment agents that maintain healthy coolant water quality by killing disease-causing legionella bacteria and a comprehensive water treatment system service offered through affiliate Día Aqua Solutions Co., Inc.

Going forward, MGC will set qualitative and quantitative targets for efficient water usage to more effectively preserve water resources.

Approach to water recycling

In the chemical industry, a large proportion of water is used as cooling water, and the water is usually circulated through cooling towers to reduce its temperature.

If this cooling water were to be used in one pass instead of being circulated, it would be possible to reduce the amount of electricity used by the pump, but the amount of water intake and discharge would increase by 100 times.

For this reason, we have set a goal of improving the water reuse rate and are working to reduce water intake.

Efficient Water Use

The MGC Group monitors water withdrawal, discharge, and recycling amounts to ascertain water consumption (water withdrawal - water discharge) and strives to use water efficiently.

At production sites that use particularly large amounts of water, we strive to efficiently use and reduce water withdrawal by aggressively recycling water through means such as use of circulating cooling water systems.

Results of Survey on Water Stressed Areas

Using the ENCORE tool recommended by the Taskforce on Nature-related Financial Disclosures, we conducted screening of MGC Group sites and identified sites that correspond to areas of high physical water risks (index 4) as sensitive locations. Considering the level of importance of material locations, we identify priority areas and promote responses to reduce risk and dialogue with local communities.

	Indicator	Unit	FY2020	FY2021	FY2022	FY2023
(T Water (f withdrawal riv G	Tap water (Third party water source)	1000 m ³	1,521	1,613	1,543	1,476
	Surface water (fresh water such as lakes, rivers, etc.)	1000 m ³	30,980	33,296	30,016	26,769
	Ground water	1000 m ³	392	387	395	232
	Total	1000 m ³	32,893	35,296	31,954	28,477
	Sewage system	1000 m ³	2,035	2,233	2,038	1,931
	Ocean/sea	1000 m ³	8,540	9,455	9,252	8,351
Water discharge	River/lake(freshwater)	1000 m ³	18,264	19,585	16,686	14,847
uischarge	Other	1000 m ³	0	0	0	0
	Total	1000 m ³	28,839	31,274	27,976	25,130
Water consumption*		1000 m ³	4,054	4,022	3,978	3,347
Percentage of water recycled for use		1000 m ³	422,047	511,862	478,178	397,831
Ratio of wate	er recycled for use	%	93	94	94	93

Use of Water Resources (Non-consolidated)

Water withdrawal — Water discharge

Amount of water withdrawn per unit of sales (Non-consolidated)

Indicator	Unit	FY2020	FY2021	FY2022	FY2023
Water withdrawal	1000 m ³	33,087	35,296	31,954	28,477
Amount of water withdrawn per unit of sales	1000m³/ million yen	0.096	0.082	0.068	0.071

Note: We have reviewed past data and revised figures.

Water consumption per unit of sales (Non-consolidated)

Indicator	Unit	FY2020	FY2021	FY2022	FY2023
Water consumption	1000 m ³	4,054	4,022	3,978	3,347
Water consumption per unit of sales	1000m³/ million yen/	0.0118	0.0094	0.0085	0.0083

Note: We have reviewed past data and revised figures.

Water recycling achievement status (Non-consolidated)

Indicator	Unit	FY2020	FY2021	FY2022	FY2023
Water recycling rate	%	93	94	94	93
Target: at least 95%	—	×	×	×	×

Resource Recycling (Non-consolidated)

Waste

Indicator	Unit	FY2020	FY2021	FY2022	FY2023
Volume of waste generation	Ton	79,115	84,046	79,130	85,486
Volume of waste to off-site	Ton	13,771	11,277	10,927	14,363
Volume of recyclable waste (Including waste that has been recycled after disposal)	Ton	24,913	26,131	21,891	23,219
Final disposal volume	Ton	388	231	199	113
Recycling rate	%	32	31	28	27

Note: We have reviewed past data and revised figures.

Harmfulness • specially controlled industrial waste

Indicator	Unit	FY2020	FY2021	FY2022	FY2023
Volume of Harmfulness and specially controlled industrial waste	Ton	-	-	-	63,365
Volume of Harmfulness and specially controlled industrial waste to off-site	Ton	-	Ι	Ι	9,108

Zero waste emission rate

Indicator	Unit	FY2020	FY2021	FY2022	FY2023
Amount of final disposal/total amount of waste generated	%	0.49	0.27	0.25	0.13
Target: at most 0.3%	_	×	0	0	0

PRTR Scheme Substances (Non-consolidated)

Number of notified substances subject to PRTR Scheme

Indicator	Unit	FY2020	FY2021	FY2022	FY2023
Number of substances	Substances	55	54	53	52

Emissions of PRTR Scheme Substances

	Indicator	Unit	FY2020	FY2021	FY2022	FY2023
	Atmosphere	Ton	266	239	328	198
Emissions of PRTR Substances	Water bodies	Ton	11	11	10	10
	Soil	Ton	0	0	0	25
	Total*	Ton	277	250	338	233

* Due to rounding off figures, there are places where the sums for each item do not match the total.

High-emission Substances Notified under the PRTR Scheme

Government- designated number	Substance	Unit	FY2020	FY2021	FY2022	FY2023
296	1,2,4-Trimethylbenzene	Ton	152	111	206	—
691	Trimethylbenzene	Ton	-		_	97
186	Dichloromethane	Ton	77	68	56	40
213	N,N-Dimethylacetamide	Ton	0	0	0	27
65	Epichlorohydrin	Ton	1	1	1	15
80	Xylene	Ton	10	28	32	12
300	Toluene	Ton	12	13	18	12

Pollution Prevention (Non-consolidated)

Air Emissions

Indicator	Unit	FY2020	FY2021	FY2022	FY2023
Volatile organic compounds (VOCs)	Ton	338	298	379	247
SOx	Ton	64	30	36	59
NOx	Ton	508	368	407	398
Dust	Ton	31	8	12	8

Control of Water Discharge

Indicator	Unit	FY2020	FY2021	FY2022	FY2023
BOD	Ton	47	38	25	21
COD	Ton	121	137	136	95
Total oxygen demand (BOD+COD)	Ton	169	175	161	116
Total nitrogen emissions	Ton	193	309	239	196
Total phosphorus emissions	Ton	51	56	49	50

Environmental Accounting (Non-consolidated)

Environmental Accounting

		D		FY2	020	FY2	021	FY2	022	FY2	023
		Breakdown	Unit	Amount invested	Expenses						
	n cost	Air pollution	Million yen	95	878	72	859	46	923	16	554
cost	Pollution orevention co	Water pollution	Million yen	178	1,561	144	1,667	62	1,976	109	1,293
Onsite co Preve	Prev(Soil/noise pollution	Million yen	354	0	19	3	10	0	1	47
Ō		l environmental tion cost	Million yen	192	1,872	499	2,173	632	1,818	263	1,433
	Resou	irce recycling cost	Million yen	6	1,143	0	819	28	1,088	14	764
Up o	r down	stream cost	Million yen	0	40	4	112	9	0	14	6
Mana	agemei	nt activity cost	Million yen	41	547	1	1,391	6	1,496	1	399
R&D	cost		Million yen	442	2,748	1,189	2,826	734	4,170	1,187	28
Socia	al contr	ibution cost	Million yen	0	7	0	5	0	4	0	16
Envii	ronmen	ital damage cost	Million yen	0	71	0	75	0	48	0	58
Total	*		Million yen	1,308	8,866	1,929	9,929	1,527	11,522	1,604	4,597

Due to rounding off figures, there are places where the sums for each item do not match the total.

Economic Benefits Associated with Environmental Protection Measures

Indicator	Unit	FY2020	FY2021	FY2022	FY2023
Income	Million yen	48	8	61	22
Reduction of expenses	Million yen	111	74	242	225

Water Conservation Expenditure

Indicator	Unit	FY2020	FY2021	FY2022	FY2023
Water-related investment (CAPEX)	Million yen	178	144	62	109
Water-related expenses (OPEX)	Million yen	1,561	1,667	1,976	1,293

Biodiversity Conservation Project Expenditures (Non-consolidated)

Indicator	Unit	FY2020	FY2021	FY2022	FY2023
Biodiversity conservation project investment (CAPEX)	Million yen	0	0	0	0
Biodiversity conservation project expenses (OPEX)	Million yen	108	85	91	88

Environment-related Accidents / Violations of Environmental Laws and Regulations (Non-consolidated)

Indicator	Unit	FY2020	FY2021	FY2022	FY2023
Violations of environmental laws and regulations	Cases	1	2	0	1
Accidents/pollution with potential to cause environmental problems	Cases	1	1	0	1
Complaints regarding environmental problems	Cases	0	0	0	0
Total environmental fines/penalties	Thousand yen	0	0	0	0

Reporting Scope

Environmental Data, The Scope of Scope1+2,3, Energy

Japan

Company	Scope1+2,3	Energy
JSP Corporation	•	•
JAPAN FINECHEM COMPANY, INC.	•	•
TOHO EARTHTECH, INC	•	•
Japan U-PiCA Company, Ltd.	•	•
FUDOW COMPANY LTD.	•	•
MGC Terminal Company, Inc.	•	•
MGC Advance Co., Ltd.	•	•
MGC Woodchem Corporation	•	•
Polyols Asia Company, Inc.		
MGC ENERGY Company Limited		
KYOUDOU KASANKASUISO CORP.	•	•
MGC Filsheet Co., Ltd.	•	•
MGC Electrotechno Co., Ltd.	•	•
Yonezawa Dia Electronics Co., Inc.	•	•
MGC AGELESS Co., Ltd.	•	•
Mitsubishi Engineering-Plastics Corporation		
Global Polyacetal Co., Ltd.		
EIWA CHEMICAL IND. CO., LTD.	•	•
Toyo Kagaku Co., Ltd.	•	•
Mitsubishi Gas Chemical Trading, Inc.		
Ryowa Enterprise Co., Ltd.		

Overseas

Company	Scope1+2,3	Energy
SAMYOUNG PURE CHEMICALS CO., LTD.	•	•
Korea Polyacetal Co., Ltd	•	•
MGC PURE CHEMICALS TAIWAN, INC.	•	•
MITSUBISHI GAS CHEMICAL ENGINEERING- PLASTICS (SHANGHAI) CO., LTD.	•	٠
TAIXING MGC LINGSU CO., LTD.	•	•
MGC PURE CHEMICALS SINGAPORE PTE. LTD.	•	•
MITSUBISHI GAS CHEMICAL SINGAPORE PTE. LTD.		
PT PEROKSIDA INDONESIA PRATAMA	•	•
THAI POLYACETAL CO., LTD	•	•
THAI POLYCARBONATE CO., LTD.	•	•
AGELESS (THAILAND) CO., LTD.	•	•
MGC ELECTROTECHNO (THAILAND) CO., LTD	•	•
MGC ADVANCED POLYMERS, INC.	•	•
MGC PURE CHEMICALS AMERICA, INC	•	•
MITSUBISHI GAS CHEMICAL AMERICA, INC		
MGC Specialty Chemicals Netherlands B.V.		

Status of External Certification

Status of External Certification (As End of March 2023)

Japan

Company	Business Sites	ISO 14001	ISO 45001	ISO 9001
	Niigata Plant	•		•
	Mizushima Plant	•		•
MITSUBISHI GAS CHEMICAL COMPANY, INC.	Yokkaichi Plant	•		•
	Kashima Plant	•		•
	Yamakita Plant	Business Sites1400145001Niigata Plant•·Mizushima Plant•·Yokkaichi Plant•·Kashima Plant•·Yamakita Plant•·Sakaide Factory•·Niigata Factory•·Hiratsuka Division•·Factory▲·Construction Business Headquarters•·Hiratsuka Factory··Shimizu Factory··Mizushima Factory··Shonan Factory··Mine Factory•·Fujinomiya Factory•·Gamagori Factory··Tokai Office··Factory•·Shirakawa Factory•·Shirakawa Factory··Factory··Factory··Hiratsuka Factory··Itaka Pactory··Shirakawa Factory··Factory··Factory··Factory··Factory··Hirakawa Factory··Hirakawa Factory··Hirakawa Factory··Hirakawa Factory··Hirakawa Factory··Hirakawa Factory··Hirakawa Factory··Hirake Factory·· <td></td> <td>•</td>		•
	Sakaide Factory	•		•
JAPAN FINECHEM COMPANY, INC.	Niigata Factory	•		•
	Hiratsuka Division	•		•
	Factory			•
TOHO EARTHTECH, INC.		•		•
	Hiratsuka Factory			
MGC Woodchem Corporation	Shimizu Factory			
	Mizushima Factory			
	Shonan Factory			•
Japan U-Pica Company Ltd.	Mine Factory	•		•
	Fujinomiya Factory	•		•
	Hiratsuka Factory	•		•
apan U-Pica Company Ltd. udow Company Limited	Gamagori Factory			•
	Tokai Office			•
KYOUDOU KASANKASUISO CORP.	Factory			
	Tokorozawa Factory			•
MGC Filsheet Co., Ltd.	Osaka Factory			•
	Shirakawa Factory			•
MGC Electrotechno Co.,Ltd.	Factory	•		٠
Yonezawa Dia Electronics Co., Inc.	Factory	•		•
MGC AGELESS Co.,Ltd.	Factory			•
	Kinuura Factory			•
EIWA CHEMICAL IND. CO., LTD	Ujitawara Factory			•
	Headquarters Factory	•		•
TOYO KAGAKU, INC.	Mitake Factory	•		•
		1	1	
	Mizushima Factory	•		•

▲: EA21 (Environmental management system established by the Ministry of the Environment)

Asia

Company	Business Sites	ISO 14001	ISO 45001	ISO 9001
■ Korea				
Samyoung Burg Chamicala Co. Ltd	Cheonan Plant	•	•	•
Samyoung Pure Chemicals Co., Ltd	Ulsan Plants	•	•	•
KOREA POLYACETAL CO., LTD.	Wonju Plant			•
■ Taiwan				
MGC Pure Chemicals Taiwan, Inc.	Factory	•	٠	•
■ China				
MITSUBISHI GAS CHEMICAL ENGINEERING- PLASTICS (SHANGHAI) CO., LTD.	Factory	•		•
Taixing Lingsu Specialty Materials Co., Ltd.	Factory			
■ Singapore				
MGC PURE CHEMICALS SINGAPORE PTE. LTD.	Factory	•	•	•
■ Indonesia				
PT PEROKSIDA INDONESIA PRATAMA	Factory	•	٠	•
■ Thailand				
THAI POLYACETAL CO., LTD	Factory	•	٠	•
THAI POLYCARBONATE CO., LTD.	Factory	•	•	•
AGELESS (THAILAND) CO., LTD.	Factory		•	•
MGC ELECTROTECHNO (THAILAND) CO., LTD	Factory	•		•

Americas

Company	Business Sites	ISO 14001	ISO 45001	ISO 9001
MGC ADVANCED POLYMERS, INC.	Factory	•		•
	Arizona Factory	•	•	•
MGC PURE CHEMICALS AMERICA, INC	Texas Factory	•	•	•
	Oregon Factory	•	•	•

Europe

Company	Business Sites	ISO 14001	ISO 45001	ISO 9001
MGC Specialty Chemicals Netherlands B.V.	Factory			

Notes: 1. Total 31sites (63%) of 49 production sites acquired ISO 14001 certification. 2. Total 11sites (22%) of 49 production sites acquired ISO 45001 certification.