



MGC Group Data Book 2010

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CORPORATE INFORMATION

Company Name

MITSUBISHI GAS CHEMICAL COMPANY, INC.

Corporate Logo



Address

Mitsubishi Building, 5-2 Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8324, Japan

Original Establishment

January 15, 1918

Incorporation

April 21, 1951

Capital

¥41.97 billion (as of end of March, 2010)

Fiscal Year

Accounts closed in March

Number of Consolidated Subsidiaries and Affiliates

Consolidated subsidiaries: 38 Affiliates: 13 (as of end of June, 2010)

Number of Employees

Non-consolidated: 2,282 Consolidated: 4,920 (as of end of March, 2010)

Main Banks

The Bank of Tokyo-Mitsubishi UFJ, Ltd.
Mitsubishi UFJ Trust and Banking Corporation
The Norinchukin Bank
Mizuho Corporate Bank, Ltd.
The Bank of Yokohama, Ltd.

Main Operations

- 1) Manufacturing and sales of the following products:
 - Organic and inorganic chemicals, petroleum-derived chemicals
 - Chemical fertilizers, agricultural chemicals, feeds, feed additives
 - Synthetic resins, synthetic rubber and other high-molecular polymers
 - Dyes, pigments, paints and adhesives
 - Pharmaceutical products, quasi-drugs, biochemical products, food and food additives
 - Detergents, bleaches, gas absorbers
 - Materials and elements used for civil engineering, construction, agriculture and fisheries, distribution industry and electric appliances and equipment
 - Ceramic products
 - Information device, component, apparatus
 - All other products related to the aforementioned materials and products
- 2) Mining and sales of natural gas, petroleum and other minerals and offering consultations on related matters
- 3) Development, sales and consultations related to geothermal energy and other forms of energy
- 4) Design, manufacture, sales, operation, supervision and consulting of various machinery used in chemical industries and environmental preservation
- 5) Research and development, sales, commissioned research and consulting related to various technologies relevant to chemical industries
- 6) Conducting various tests and commissioned analyses and consultation related to environmental measurements and safety of chemical products
- 7) Design, implementation, contracting and supervision of civil engineering work and various other construction assignments
- 8) Sales, leasing, management and brokerage of real estate properties
- 9) Shipping, freight transportation, warehouse operation and tourist operations
- 10) All other business operations relevant to the aforementioned operations

Executives

Representative Director, Chairman

Hideki Odaka

Representative Director, President

Kazuo Sakai

Representative Directors, Senior Managing Executive Officers

Yoshishige Yamazaki

President of Natural Gas Chemicals Company

Jin Hata

In charge of Compliance, Chairman of Internal Control Promotion Committee, In charge of Internal Audit Division, In charge of Finance & Accounting Center, In charge of Corporate Communications Division

Directors, Managing Executive Officers

Kuniaki Ageishi

In charge of Production Technology Division and Environment & Safety Division

Yuh Miyauchi

President of Information & Advanced Materials Company

Kunio Oya

In charge of Risk Management, Member of Internal Control Promotion Committee, In charge of Administrative & Personnel Center and Purchasing & Logistics Center

Toshikiyo Kurai

President of Specialty Chemicals Company, General Manager, Engineering Plastics Division, Specialty Chemicals Company

Makoto Mizutani

Chairman of The Committee on Future R&D, In charge of Research and Development Division, General Manager, Tokyo Techno Park

Masami Orisaku

Member of Compliance Advisory Committee and Internal Control Promotion Committee, In charge of Corporate Planning Division

Executive Officers

Yukio Sakai

President of Aromatic Chemicals Company

Hideyuki Takahashi

General Manager, Oxygen Absorbers Division, Information & Advanced Materials Company

Katsuhiko Sugita

General Manager, Finance & Accounting Center

Takayuki Watanabe

General Manager, Electronics Materials Division, Information & Advanced Materials Company

Yoshihiro Yamane

Member of The Committee on Future R&D, General Manager, Research and Development Division, General Manager, MGC Chemical Analysis Center

Shigenobu Ono

Member of The Committee on Future R&D, General Manager, Planning & Development Division, Aromatic Chemicals Company

Kunio Kawa

Member of The Committee on Future R&D, General Manager, Corporate Planning Division

Hirosugu Yamamura

General Manager, Inorganic Chemicals Division, Specialty Chemicals Company

Osamu Kondo

Executive Assistant to Director in charge of Production Technology Division and Environment & Safety Division, General Manager, Production Technology Division, General Manager, Process Technology Department, Production Technology Division

Shuichi Murai

General Manager, Basic Chemicals Division, Natural Gas Chemicals Company

Kenji Inamasa

Plant Manager, Mizushima Plant, Aromatic Chemicals Company

Katsushige Hayashi

Plant Manager, Kashima Plant, Specialty Chemicals Company

Executive General Manager

Kinya Tsuji

CEO, Brunei Methanol Company Sdn. Bhd.

Corporate Auditors

Ichiei Noguchi

Outside Corporate Auditor (Full-time)

Shoji Uematsu

Corporate Auditor (Full-time)

Kuniaki Kawakami

Corporate Auditor (Full-time)

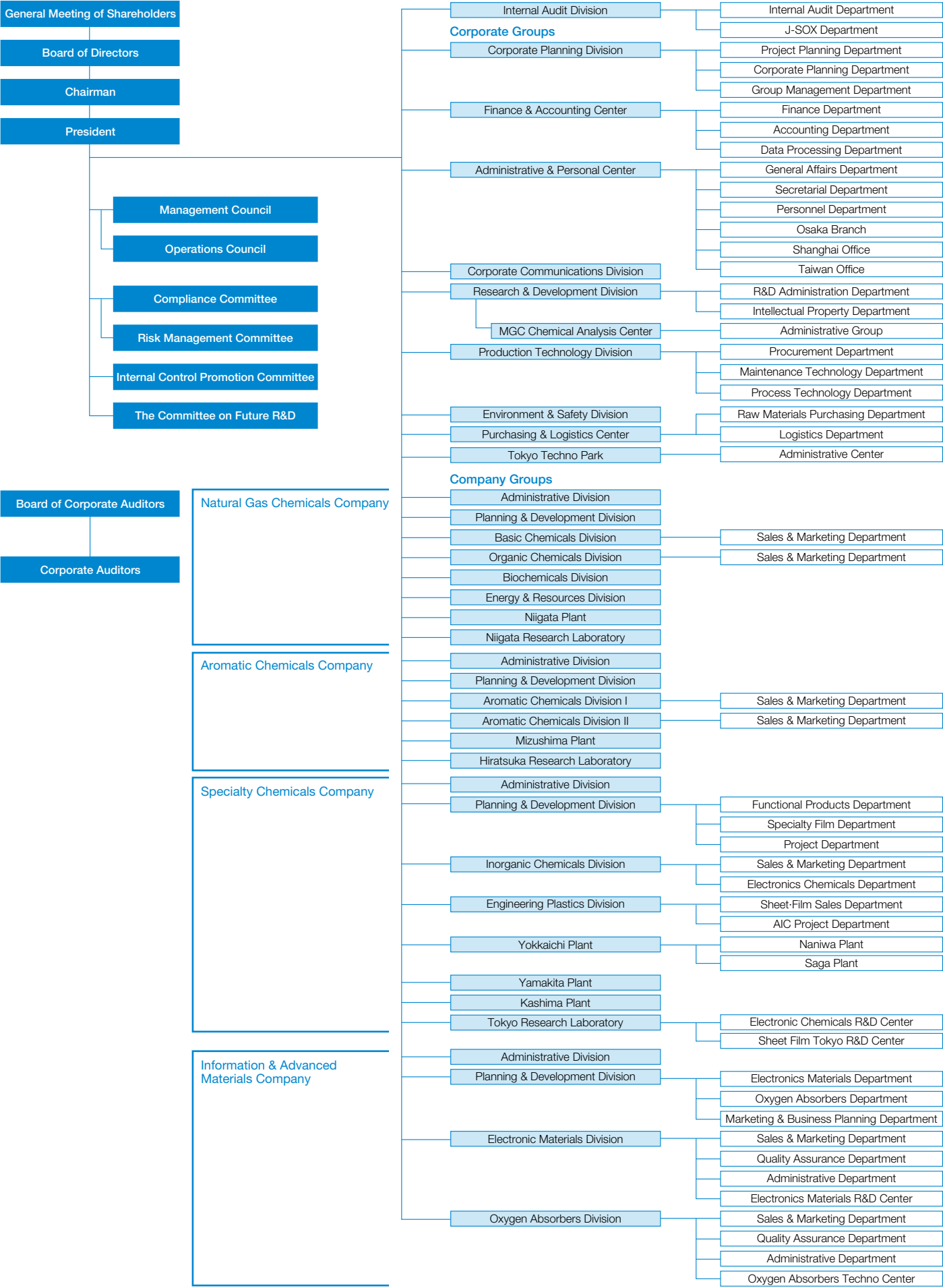
Wataru Taguchi

Outside Corporate Auditor (Part-time)

Yoshimasa Nihei

Outside Corporate Auditor (Part-time)

ORGANIZATION CHART



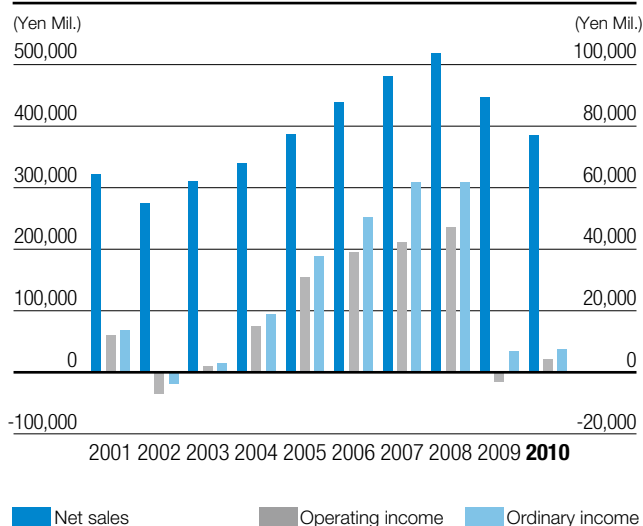
FINANCIAL HIGHLIGHTS

Mitsubishi Gas Chemical Company, Inc. and Consolidated Subsidiaries

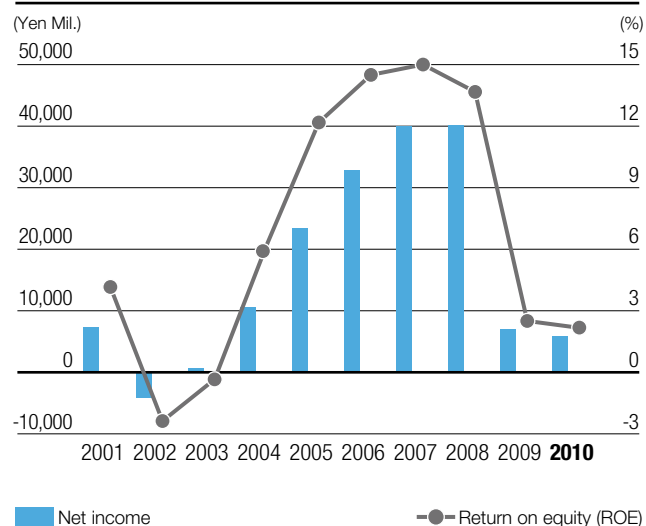
	Mar. 2001	Mar. 2002	Mar. 2003
Net sales (Millions of yen)	323,075	275,709	312,119
Operating income (Millions of yen)	12,178	(6,789)	1,907
Ordinary income (Millions of yen) (Note 1)	13,633	(3,775)	2,901
Net income (Millions of yen)	7,285	(4,234)	(474)
Equity in earnings of affiliates (Millions of yen)	4,628	6,603	5,697
Total assets (Millions of yen)	486,970	466,762	458,137
Total net assets (Millions of yen) (Note 2)	175,280	174,742	161,858
Operating activity cash flow (Millions of yen)	15,562	13,718	24,509
Investing activity cash flow (Millions of yen)	(12,398)	(15,396)	(16,360)
Financing activity cash flow (Millions of yen)	(12,622)	(2,596)	(3,154)
Total cash and cash equivalents at end of year (Millions of yen)	31,644	28,188	33,667
Basic net income per share (Yen)	15.07	(8.79)	(1.05)
Diluted net income per share (Yen)	15.02	—	—
Net assets per share (Yen)	362.54	367.69	349.93
Return on equity (ROE) (%) (Note 3)	4.2	(2.4)	(0.3)
Return on assets (ROA) (%) (Note 4)	2.8	(0.8)	0.6
Operating income margin (%)	4.2	(1.4)	0.9
Net assets ratio (%)	36.0	37.4	35.3
Number of employees	5,072	4,667	4,729

Notes : 1. Ordinary income, a common indicator in Japan, corresponds to income before income taxes and minority interests, less any extraordinary profit or loss.
 2. Effective from the fiscal year ended March 2007, total net assets include deferred gains (losses) on hedges, share purchase warrants and minority interests in accordance with revisions to the relevant accounting standard.

Net sales/Operating income/Ordinary income



Net income/Return on equity (ROE)

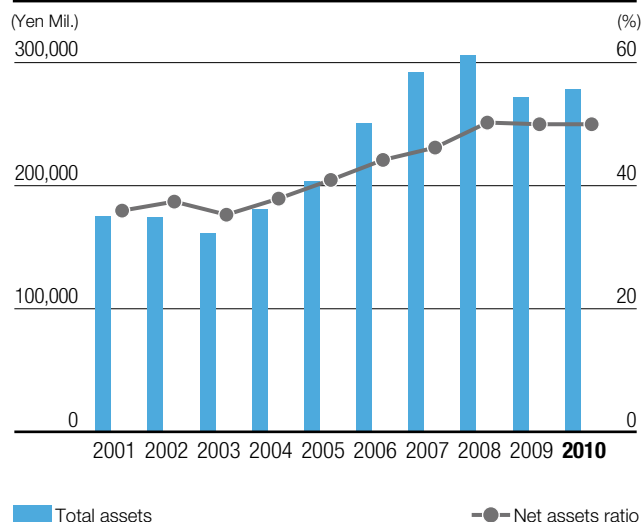


Mar. 2004	Mar. 2005	Mar. 2006	Mar. 2007	Mar. 2008	Mar. 2009	Mar. 2010
340,710	388,589	439,829	482,608	519,329	447,647	384,528
14,934	30,868	38,970	42,220	47,366	(3,103)	4,090
18,879	37,726	50,410	61,723	61,759	6,975	7,365
10,622	23,348	32,944	40,044	40,209	7,014	5,827
9,156	11,834	15,122	23,200	21,312	14,706	8,794
475,116	494,577	564,483	609,965	601,386	530,592	539,431
180,523	203,306	251,202	292,696	312,021	272,083	278,094
19,732	29,119	36,055	21,797	40,394	49,027	31,326
(8,039)	(15,629)	(15,195)	(14,039)	(20,907)	(41,253)	(33,662)
(14,305)	(16,536)	(9,924)	(8,819)	(22,251)	11,541	(15,354)
30,418	28,696	40,590	41,266	37,235	53,065	36,048
22.91	50.41	70.98	86.63	87.01	15.30	12.89
—	—	—	85.64	85.13	14.97	12.61
390.23	439.60	543.12	613.64	654.25	585.90	595.56
5.9	12.2	14.5	15.0	13.7	2.5	2.2
4.0	7.8	9.5	10.5	10.2	1.2	1.4
5.5	9.7	8.9	8.7	9.1	(0.7)	1.1
38.0	41.1	44.5	46.5	50.3	49.9	49.9
4,537	4,426	4,466	4,561	4,686	4,902	4,920

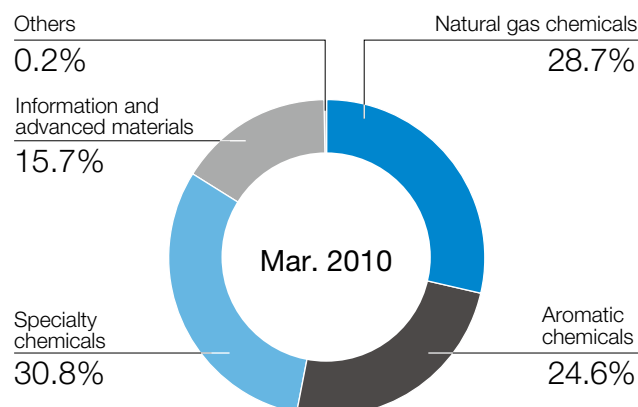
3. Up to the fiscal year ended March 2006, total net assets were used as capital as the basis of calculations. Effective from the fiscal year ended March 2007, total net assets include deferred gains (losses) on hedges, share purchase warrants, and minority interests in accordance with the revised accounting standard. With respect to capital, however, share purchase warrants and minority interests are deducted from total net assets in calculation of net assets ratio.

4. Return on assets = Ordinary income / Average total assets

Total assets/Net assets ratio



Sales by segment



CORPORATE HISTORY

Year	History	
1910-1940	Mitsubishi Edogawa Chemical Co., Ltd. 1918 Edogawa Barium Industry Co., Ltd. is established. The company later becomes Mitsubishi Edogawa Chemical. The plant later becomes Mitsubishi Gas Chemical's Tokyo Plant. 1927 Begins production of formalin for the first time in Japan. 1930 Establishes Osaka Plant. 1933 Establishes Yamakita Plant; begins production of hydrogen peroxide using the electrolytic method for the first time in Japan. 1937 Begins production of laminate material for printed wiring boards for the first time in Japan.	Japan Gas Chemical Co., Inc.
1950	1951 Establishes Naniwa Plant. 1954 Takes a stake in Toyo Kagaku Industries, Inc. (current Toyo Kagaku, Inc.).	1951 Japan Gas Chemical Co., Inc. is established; establishes Enoki Plant; acquires natural gas assets. 1952 Begins production of methanol from natural gas for the first time in Japan. 1954 Lists shares on the Tokyo Stock Exchange. Establishes Osaka Office (current Osaka Branch). 1957 Establishes Matsuhama Plant; begins production of ammonia from natural gas for the first time in Japan. 1959 Integrates Enoki Plant and Matsuhama Plant and renames the integrated entity as Niigata Plant. Establishes Niigata Research Laboratory. Establishes Japan Hydrazine Co., Inc. (current Japan Finechem Co., Inc.)
1960	1961 Begins production of polycarbonate lupilon using interfacial polymerization. 1962 Begins production of hydrogen peroxide for electronic industry use. 1963 Establishes Yokkaichi Plant; begins commercial production of hydrogen peroxide using the company's proprietary technology (anthraquinone method). 1966 Takes a stake in Japan Circuit Industrial Co., Ltd.	1960 Nihon Plastic and Chemical Co., Ltd. establishes Mizushima Plant, which later becomes a Japan Gas Chemical plant in 1961 through merger. 1962 Establishes Japan Styrene Paper Corporation (current JSP Corporation). Establishes Japan Pure Hydrogen Co., Ltd. (current Japan Pionics Co., Ltd.) 1963 Establishes Hiratsuka Research Laboratory. 1968 Establishes AG International Chemical Co., Inc. Begins production of high-purity meta-xylene for the first time in the world.
1970	1970 Relocates the corporate research laboratory to Kanamachi (current Tokyo Research Laboratory). 1971 Begins production of polycarbonate lupilon sheet based on the extrusion method.	1970 Establishes Mizushima Aroma Co., Ltd. Begins production of MXDA.
	Oct. 1971 Mitsubishi Gas Chemical Company, Inc. is established in a merger	
	Mitsubishi Gas Chemical Company, Inc. 1977 Begins production of AGELESS® oxygen absorber; establishes Kashima Plant.	Major Affiliates 1977 Establishes Japan U-PICA Co., Ltd. Hiratsuka U-PICA Co., Ltd., and Inuyama U-PICA Co., Ltd. The three companies later merge to form Japan U-PICA Company, Ltd. 1979 Establishes Japan Saudi Arabia Methanol Co., Inc., which in 1980 establishes SAUDI Methanol Company.

Year	History	
1980	<p>1981 Begins production of polyacetal.</p> <p>1986 Establishes Saga Plant.</p>	<p>1982 Establishes Mitsubishi Gas Chemical Singapore Pte. Ltd.</p> <p>1984 Establishes Mitsubishi Gas Chemical America, Inc. Begins production of MX nylon.</p> <p>1987 Establishes Korea Engineering Plastics Co., Ltd. Establishes P.T. Peroksida Indonesia Pratama.</p> <p>1989 Establishes Samyoung Pure Chemicals Co., Ltd.</p>
1990	<p>1991 Begins production of lens monomer; changes Japanese company name.</p> <p>1997 Declares the Implementation of Responsible Care.</p>	<p>1990 Establishes Mitsubishi Gas Chemical Europe GmbH.</p> <p>1991 Establishes Electrotechno Co., Ltd.</p> <p>1992 Establishes Metanol de Oriente, METOR, S.A. (METOR).</p> <p>1994 Establishes Mitsubishi Engineering-Plastics Corporation.</p> <p>1995 Establishes MGC Pure Chemicals America, Inc. Establishes Thai Polyacetal Co., Ltd.</p> <p>1996 Establishes Japan Acryace Corporation.</p> <p>1997 Establishes MGC Pure Chemicals Singapore Pte. Ltd.</p> <p>1999 Establishes Yonezawa DIA Electronics Co., Ltd.</p>
2000-	<p>2000 Introduces internal company system; changes the Japanese name of Naniwa Plant and makes it into a branch of Yokkaichi Plant along with Saga Plant; changes the Japanese name of Niigata Plant.</p> <p>2001 Establishes Electronic Chemicals R&D Center under Tokyo Research Laboratory. All business locations are made ISO 14001 compliant.</p> <p>2003 Introduces executive officer system.</p> <p>2005 Establishes Shanghai Office. Changes the name of Tokyo Plant to Tokyo Development Center. Establishes MGC Chemical Analysis Center.</p> <p>2007 Establishes Sheet Film Tokyo R&D Center under Tokyo Research Laboratory.</p> <p>2009 Announces medium-term management plan "MGC Will 2011". Establishes Tokyo Techno Park; places Tokyo Research Laboratory and Analysis Center under it; discontinues operation of Tokyo Development Center.</p>	<p>2000 Establishes MGC Pure Chemicals Taiwan, Inc. Establishes Kyodo Kasankasuiso Corporation.</p> <p>2002 Establishes MGC Advanced Polymers, Inc.</p> <p>2005 Integrates Osaka Plant and Fuji Kasei Co., Ltd. to establish MGC Filmsheet Co., Ltd.</p> <p>2006 Establishes Brunei Methanol Company Sdn. Bhd. Establishes MGC Trading (Thailand) Ltd.</p> <p>2008 Establishes Suzhou MGC Suhua Peroxide Co., Ltd. Establishes Mitsubishi Gas Chemical Shanghai Commerce Ltd.</p> <p>2009 Establishes Ling You Engineering-Plastics (Shanghai) Co., Ltd.</p>

AWARD-WINNING TECHNOLOGIES

Theme	Year	Award	Organizer
Methanol synthesis from natural gas	1955	Fuel Association Award	Fuel Association
A contact reformer for hydrogen carbonate	1958	Okochi Memorial Prize for Production	Okochi Memorial Foundation
	1961	The Japan Petroleum Institute Award	The Japan Petroleum Institute
Low biuret urea manufacture	1961	Science and Technology Agency Award	Science and Technology Agency
Technology related to the manufacture of formalin	1961	Society of Synthetic Organic Chemistry, Japan Award	The Society of Synthetic Organic Chemistry, Japan
Research related to natural gas	1965	The Fuel Society of Japan Award	The Fuel Society of Japan
Technology related to the manufacture of Hydrogen peroxide through a method of automatic oxidization	1965	Chemical Technology Award	The Chemical Society of Japan
	1966	Okochi Memorial Prize for Technology	Okochi Memorial Foundation
	1966	Science and Technology Award	Science and Technology Agency
Technology related to the manufacture of sodium hydrosulfite	1969	Okochi Memorial Prize for Technology	Okochi Memorial Foundation
The separation of isomers of xylene	1969	The Japan Petroleum Institute Award	The Japan Petroleum Institute
	1969	The SCEJ Technical Achievement Award	The Society of Chemical Engineers, Japan
	1969	Chemical Technology Award	The Chemical Society of Japan
	1970	Okochi Memorial Prize for Production	Okochi Memorial Foundation
	1970	Science and Technology Agency Award	Science and Technology Agency
	1970	The Fuel Society of Japan Award	The Fuel Society of Japan
	1971	The Technology Award	Japan Chemical Industry Association
The manufacture of xylene resin	1969	Chemical Technology Award	The Chemical Society of Japan
Oxalic acid production technology used in the manufacture of ethylene glycol	1972	The Ichimura Industrial Prize	The New Technology Development Foundation
The development of automatic voltage regulator of electrolytic cell	1972	The Technology Award	The Japan Soda Industry Association
The development of chemical polishing agents based on Hydrogen peroxide	1974	The Technology Award	Metal Finishing Society
Manufacturing technology related to the extrusion of polycarbonate sheet	1977	The Ichimura Industrial Prize	The New Technology Development Foundation
The development of the oxygen absorber/AGELESS®	1981	The Kinoshita Award	Japan Packaging Institute
	1984	The Technology Award	Japan Food Industry Academic Association
	1984	Japan Food Industry and Technology Distinguished Service Award	Shokuhin Sangyo Shimbunsha Co., Ltd
	1993	First Century Anniversary Award	Agricultural Research & Development Association
	1995	Food Industry Distinguished Service Award	Japan Food Journal Co., Ltd.
	2000	20th century food industry development award	Japan Food Journal Co., Ltd.
Methods related to the manufacture of carbon monoxide	1983	The Invention Award	Institute of Invention and Innovation
Ethanol production methods	1983	Science and Technology Agency Award	Science and Technology Agency

Theme	Year	Award	Organizer
The development and industrialization of production technology for aromatic aldehydes used to produce Trimellitic anhydride and Pyromellitic dianhydride	1987	The SCEJ Technical Achievement Award	The Society of Chemical Engineers, Japan
	1987	The Japan Petroleum Institute Award	The Japan Petroleum Institute
	1988	Chemical Technology Award	The Chemical Society of Japan
	1998	Science and Technology Agency Award	Science and Technology Agency
The development of production methods for methyl formate using anhydrous Methanol	1989	Technology Award	Catalysis Society of Japan
Research on classifications for cytochrome C1-microorganisms	1989	Saito Award	The Society of Fermentation Technology, Japan
Consideration of corporate in-house databases	1990	Selected to commemorate the fortieth anniversary	Information Science and Technology Association
The development of new production technology for polyacetal	1991	The Ichimura Industrial Prize	The New Technology Development Foundation
	1997	Science and Technology Agency Award	Science and Technology Agency
Exploration and development of the Iwafune Offshore Oilfield	1991	The Japan Petroleum Institute Award	The Japan Petroleum Institute
Packaging of steamed rice for microwave ovens by AGELESS®	1992	Good Packaging Award	Japan Packaging Institute
The development of new production methods for aromatic polycarbonates	1993	Okochi Memorial Prize for Production	Okochi Memorial Foundation
	1993	The Technology Award	Japan Chemical Industry Association
Catalytic reduction of nitrogen monoxide at room temperature using degraded activated charcoal	1994	The Japan Institute of Energy Award for Distinguished Paper	The Japan Institute of Energy
The development of meso phase production methods using aromatic hydrocarbons	1995	Bio Tsukuba Award	Tsukuba Foundation for Chemical and Bio-Technology
	1995	Chemical Technology Award	The Chemical Society of Japan
Custom factory integration processes	1996	Aoki-Katashi Award	The Japan Society of Polymer Processing
New synthetic methods for producing Methanol	1998	The SCEJ Technical Achievement Award	The Society of Chemical Engineers, Japan
The development of oxygen absorber film AGELESS OMAC®	2000	Japan Food Journal Award	Japan Food Journal Co., Ltd.
The development of High-refractive-index plastic lenses	2001	Chemical Technology Award	The Chemical Society of Japan
The development of BT resin and BT resin base Printed Wiring Board	2003	Science and Technology Agency Award	Science and Technology Agency

Licenses Offered

As a pioneer in the export of technological licenses and plants, MGC has been contributing to global industrial development by actively offering our technologies. Since 1957 we have offered over 220 licenses in Japan and overseas.

- Production process for hydrogen cyanide
- Production process for carbon monoxide (from methanol)
- Production process for hydrogen peroxide
- Production process for sodium percarbonate
- Technology for separation and isomerization of xylene
- Production process for dimethylformamide
- Production process for sodium hydrosulfite
- Production process for 2,3,6-trimethylphenol
- Production process for polyacetal
- Production process for methyl methacrylate
- Production process for acetone cyanhydrin
- Production process for choline chloride
- Production process for plasticizers (DOP/DIDP/DINP)
- Production process for purified terephthalic acid
- Production process for dimethyl ether
- Production process for hydrogen (from methanol)
- Production process for super-pure hydrogen peroxide
- Production process for hexamine
- Production process for polycarbonate
- Production process for methanol
- Production process for formalin
- Production process for methylamine

PRODUCTS OF MGC GROUP

Product	Applications	Contact	Telephone
Basic chemicals (amine)			
Folmamide	Pharmaceuticals, agricultural chemicals	Organic Chemicals Division	81-3-3283-4747
Dimethylacetamide	High grade solvent, pharmaceuticals, agricultural chemicals		81-3-3283-4747
Dimethylaminoethanol	Flocculating agent, ion-exchange resin, urethane catalyst		81-3-3283-4747
Dimethylfolmamide	High grade solvent		81-3-3283-4747
Monomethylfolmamide	High grade solvent		81-3-3283-4747
Monomethylamine	Rubber vulcanization accelerator, pharmaceuticals, agricultural chemicals, photographic chemicals, dye compound		81-3-3283-4747
Dimethylamine	Fiber treatment agent, macromolecute flocculating, surfactant		81-3-3283-4747
Trimethylamine	Crosslinkerst for resin, pharmaceuticals, agricultural chemicals, ion-exchange resin, choline chloride		81-3-3283-4747
Hexamine (hexamethylenetetramine)	Resin hardener, foaming agent, rubber vulcanization accelerator, pharmaceuticals		Basic Chemicals Division
Basic chemicals (methacrylic acid)			
2-Hydroxyisobutyric acid methyl ester	High grade solvent, photographic chemicals, pharmaceuticals, agricultural chemicals	Organic Chemicals Division	81-3-3283-4788
Methacrylic acid	Coating compounds, adhesive agent, adhesive modifier		81-3-3283-4788
Allyl methacrylate	Coating compounds, AS adhesive modifier, silane coupling agent		81-3-3283-4784
2-Ethylhexyl methacrylate	Coating compounds, adhesive agent, fiber treatment agent		81-3-3283-4784
Glycidyl methacrylate	Coating compounds, antistatic additive, ion-exchange resin		81-3-3283-4784
Diethylaminoethyl methacrylate	Antistatic additive, dyeing assistant, coating compounds		81-3-3283-4784
Cyclohexyl methacrylate	Optical polymers, adhesive agent, coating compounds		81-3-3283-4784
Dimethylaminoethyl methacrylate	Antistatic additive, flocculating agent, paper durability enhancement agent		81-3-3283-4784
2-(Dimethylamino) ethylmethacrylate methyl chloride salt	Antistatic additive, flocculating agent, paper durability enhancement agent		81-3-3283-4784
Stearyl methacrylate	Fiber treatment agent, coating compounds, adhesive compound		81-3-3283-4784
2-Hydroxyethyl methacrylate	Coating compounds, photosensitive resins, contact lens		81-3-3283-4784
i-Butyl methacrylate	Coating compounds, printing ink, fiber treatment agent		81-3-3283-4784
n-Buthyl methacrylate	Coating compounds, lubricating oil additive, surface treatment agent		81-3-3283-4784
Methacrylate blend	Coating resins, adhesive modifier		81-3-3283-4788
Benzyl methacrylate	Optical polymers, adhesive agent, coating compounds		81-3-3283-4784
Methyl methacrylate	Acrylic board, molding compound, coating compounds		81-3-3283-4784
Lauryl methacrylate	Coating compounds, adhesive agent		81-3-3283-4784
s-Lauryl methacrylate	Coating compounds, adhesive agent, lubricating oil additive		81-3-3283-4784
Basic chemicals (polyol)			
Glycol esters	UV hardening-type ester monomer	Organic Chemicals Division	81-3-3283-4747
Dioxane glycol	UV cure resin, polyurethan		81-3-3283-4747
di-Trimethylol propane	UV cure resin, polyurethan, Lubricant, additives for resin		81-3-3283-4747
Spiroglycol	Polyester, polyurethan, UV cure resin, Additives for synthetic resin		81-3-3283-4747
Trimethylolethane	Alkyd resin paint, titanium oxide surface treatment agent		81-3-3283-4747
Trimethylolpropane	Alkyd resin paint, polyurethane coating, printing ink		81-3-3283-4747
Neopentylglycol	Alkyd resin paint, polyester resin, powdered paint		81-3-3283-4747
Basic chemicals (aromatic aldehydes)			
para-Isobutylbenzaldehyde	Synthesis fragrances, pharmaceuticals, agricultural chemicals, pigment, additives for resin, electronic materials	Aromatic Chemicals Division I	81-3-3283-4714
para-Ethylbenzaldehyde	Synthesis fragrances, pharmaceuticals, agricultural chemicals, pigment, Additives for resin, electronic materials		81-3-3283-4714
Cuminaldehyde	Synthesis fragrances, pharmaceuticals, agricultural chemicals, pigment, additives for resin, electronic materials		81-3-3283-4714
2,4-Dimethylbenzaldehyde	Synthesis fragrances, pharmaceuticals, agricultural chemicals, pigment, additives for resin, electronic materials		81-3-3283-4714
3,4-Dimethylbenzaldehyde	Synthesis fragrances, pharmaceuticals, agricultural chemicals, pigment, additives for resin, electronic materials		81-3-3283-4714
2,4,5-Trimethylbenzaldehyde	Agricultural chemicals, pharmaceuticals, synthesis fragrances, pigment, additives for resin, electronic materials		81-3-3283-4714
2,4,6-Trimethylbenzaldehyde	Agricultural chemicals, pharmaceuticals, synthesis fragrances, pigment, additives for resin, electronic materials		81-3-3283-4714
para-Tolualdehyde	Synthesis fragrances, pharmaceuticals, agricultural chemicals, pigment, additives for resin, electronic materials		81-3-3283-4714
para-Phenylbenzaldehyde	Synthesis fragrances, pharmaceuticals, agricultural chemicals, pigment, additives for resin, electronic materials		81-3-3283-4714

Product	Applications	Contact	Telephone
Basic chemicals (aromatic carboxylic acid)			
Ortho-Toluic Acid	Pharmaceuticals, agricultural chemicals, vinyl stabilization agent	Aromatic Chemicals Division I	81-3-3283-4714
Purified isophthalic acid	Modifying polyester	A.G.International Chemical Co., Inc.	81-3-3506-3792
Purified terephthalic acid	Polyester	Dia Terephthalic Acid Corp.	81-3-6414-4200
Cyclohexane-1,2,4-tricarboxylic acid	Resin modifier	Aromatic Chemicals Company, Planning & Development Division	81-3-3283-4814
Cyclohexane-1,2,4-tricarboxylic acid-1,2-anhydride	Epoxy resin hardener, resin modifier		81-3-3283-4814
2,6-Decahydronaphthalene dicarboxy acid dimethyl ester	Resin modifier		81-3-3283-4814
2,6-Naphthalenedicarboxylic acid, dimethyl ester	PBN resin, PEN resin (film, sheet, bottle, tire code)	Aromatic Chemicals Division I	81-3-3283-4817
Pyromellitic acid	Additives for resin		81-3-3283-4817
Trimellitic anhydride	Plasticizer, varnish, coating compounds, toner binder		81-3-3283-4817
Pyromellitic dianhydride	Polyimide resin, film, plasticizer		81-3-3283-4817
Phthalic anhydride	Plasticizer, coating compounds, unsaturated polyester	Aromatic Chemicals Division II	81-3-3283-4702
Meta-Toluic acid	Pharmaceuticals, agricultural chemicals, vinyl stabilization agent	Aromatic Chemicals Division I	81-3-3283-4714
Basic chemicals			
Isophthalonitrile	Synthetic resin	Aromatic Chemicals Division I	81-3-3283-4754
Ortho-xylene	Phthalic anhydride, synthetic resin	Aromatic Chemicals Division II	81-3-3283-4702
3,5-Xylenol	Synthetic resin, agricultural chemicals	Aromatic Chemicals Division I	81-3-3283-4817
Acetic acid	Acetate fiber, reagent, dye compound, solvent	Aromatic Chemicals Division II	81-3-3283-4702
Para-xylene	Terephthalic acid, synthetic resin		81-3-3283-4702
1,3-Bis (Aminomethyl) cyclohexane	Epoxy resin hardener, organic synthesis, intermediary substance	Aromatic Chemicals Division I	81-3-3283-4800
Mesitylene	Dye compounder, antioxidant, additives for resin		81-3-3283-4800
Meta-xylene	Agricultural chemicals-pigment		81-3-3283-4800
Meta-xylenediamine	Synthetic resin, epoxy resin hardener, organic synthesis intermediate		81-3-3283-4800
Ammonia	Fertilizer, synthetic fibers, refrigerator-freezer refrigerant, acrylonitrile	Organic Chemicals Division	81-3-3283-4747
Aqueous ammonia	Denitration, active sludge nutrient		81-3-3283-4747
Methanol	Formalin, acetic acid, methyl methacrylate, methyl chlorides, coating compounds, synthetic resin, solvent, pharmaceuticals	Basic Chemicals Division	81-3-3283-4771
Formalin	Plywood binding agent, synthetic resin, vinylon, hexamine, pentaerythritol, paraform, pharmaceuticals		81-3-3283-4771
Folmalol M	Coating compounds		81-3-3283-4771
Folmalol IB	Coating compounds		81-3-3283-4771
Folmalol NB	Coating compounds		81-3-3283-4771
Methyl formate	Casting hardener, CO source	Organic Chemicals Division	81-3-3283-4747
Dimethyl ether (for aerosol propellant)	Aerosol propellant		81-3-3283-4747
Dimethyl ether (for fuel)	Diesel engine fuel	Fuel DME Production Co., Ltd	81-3-3283-4824
Paraform (paraformaldehyde)	Coating compounds, adhesive agent, textile-processing resins, phenol resins	Basic Chemicals Division	81-3-3283-4771
Hydrogen peroxide	Bleaching agent for textiles, paper and pulp, other industrial applications	Inorganic Chemicals Division, Sales & Marketing Department	81-3-3283-4759
Formic acid	Dyeing assistant, pharmaceuticals, tanning		81-3-3283-4759
Oxalic acid	Alumite oxidizing film-forming agent, confectionery manufacture, synthetic resin, rare earth, dyeing assistant, pharmaceutical, pharmaceuticals	Ryoko Chemical Co., Ltd.	81-3-6861-0050
Hydrazine hydrate	Boiler compound, foaming agent, pharmaceuticals, agricultural chemicals, inflator for SRS airbags	Otsuka-MGC Chemical Co., Inc.	81-6-4706-7562
Organic titanates			
Tetra-n-butyl titanate dimer	Catalyzer, crosslinking agent, surface reforming agent, coupling agent	Inorganic Chemicals Division, Sales & Marketing Department	81-3-3283-4759
Tetra-n-butyl titanate	Catalyzer, crosslinking agent, surface reforming agent, coupling agent		81-3-3283-4759
Tetra isopropyl titanate	Catalyzer, crosslinking agent, surface reforming agent, coupling agent		81-3-3283-4759
Tetra isopropyl titanate 50	Catalyzer, crosslinking agent, surface reforming agent, coupling agent		81-3-3283-4759
Tetra stearyl titanate	Catalyzer, crosslinking agent, surface reforming agent, coupling agent		81-3-3283-4759
Triethanol aminato titanium	Catalyzer, crosslinking agent, surface reforming agent, coupling agent		81-3-3283-4759

PRODUCTS OF MGC GROUP

Product	Applications	Contact	Telephone
Inorganic salts			
Ammonium persulfate	Synthetic resin polymerization catalyst, etching agent, adhesive removal agent	Inorganic Chemicals Division, Sales & Marketing Department	81-3-3283-4759
Potassium persulfate	Synthetic resin polymerization catalyst, etching agent, adhesive removal agent		81-3-3283-4759
Sodium persulfate	Synthetic resin polymerization catalyst, etching agent, adhesive removal agent		81-3-3283-4759
Sodium formate	Mordant, tanning		81-3-3283-4759
Sodium hydrosulfite	Dyeing assistant, reduction cleaner for synthetic fibers, pulp/textile bleaching agent, reducing agent		81-3-3283-4759
Pelbon® (sodium perborate monohydrate)	Breaching, oxidant, detergent, oxygen generator	Ryoko Chemical Co., Ltd.	81-3-6861-0050
Ammonium sulfate	Fertilizer	Organic Chemicals Division	81-3-3283-4747
Plastics/monomers/resin hardener			
ALTESTER® (heat-resistant PET resin)	Industrial and food packaging materials, optical sheets and films	Natural Gas Chemicals Company, Planning & Development Division	81-3-3283-4880
Optimas® (high-performance acrylic polymer)	Light guide plate, protective cover for liquid crystal, lenses, automotive components, optical sheets and films		81-3-3283-4880
Neofade (polyester-based damping material)	Damping material	Aromatic Chemicals Company, Planning & Development Division	81-3-3283-4814
MAXIVE® (gas barrier epoxy-based resin)	Laminate adhesive, coating, anti-corrosive paint		81-3-3283-4814
Nylon-MXD6 (N-MXD6)	Molding compound, packaging materials (gas barrier film, sheet and PET bottle)	Aromatic Chemicals Division I	81-3-3283-4799
Gaskamine 240	Epoxy resin hardener		81-3-3283-4754
Gaskamine 328	Epoxy resin hardener, urethane resin hardener		81-3-3283-4754
TETRAD-C	Coating compound, adhesive agent, cast molding		81-3-3283-4754
TETRAD-X	Coating compound, adhesive agent, cast molding		81-3-3283-4754
Nikanol (xylene resin)	Acrylic Adhesive, epoxy resin modifier	Fudow Co., Ltd.	81-45-548-4210
OPE (oligo-phenylene ether)	Resin for electrical and electronic parts	Specialty Chemicals Company, Planning & Development Division	81-3-3283-4762
Lumipius® (high refractive index monomer)	Optical material		81-3-3283-4869
DIAPURESTE (adamantane derivatives)	Photoresist monomer	Inorganic Chemicals Division, Sales & Marketing Department	81-3-3283-4759
Lens monomer	Monomer for ultra-high refractive plastic glasses lenses		81-3-3283-4759
BT Resin	Insulating materials, printed circuit board materials, insulating varnish, coating compounds, adhesive agent	Electronic Materials Division	81-3-3283-4740
Special polycarbonates			
Iupizeta EP series (special polycarbonates)	Electrophotography photoreceptor, various binder, film, sheet, optical use, various electronic device part	Engineering Plastics Division	81-3-3283-4853
Iupizeta FPC series (special polycarbonates)	Electrophotography photoreceptor, various binder, film, sheet, optical use, various electronic device part		81-3-3283-4853
Iupizeta PCZ series (special polycarbonates)	Electrophotography photoreceptor, various binder, film, sheet, optical use, various electronic device part		81-3-3283-4853
Engineering plastic			
Iupilon® (polycarbonate)	Electronic component, OA equipment, camera, automotive, optical disk, dialysis treatment equipment	Mitsubishi Engineering-Plastics Corporation	81-3-6274-9000
Iupiac® (modified-polyphenylene ether)	OA equipment, electrical parts, automotive parts		81-3-6274-9000
Iupital® (polyacetal)	Functional parts (clock, AV components, automotive, machine)		81-3-6274-9000
Reny® (polyamide-MXD6)	Automotive components, machinery parts, electronics parts, fishing reel, nail, screw, bolt		81-3-6274-9000
AI Polymer (polyamide-imide)	OA component gear, bearing	Engineering Plastics Division	81-3-3283-4851
Sheets/films			
Neopulim® (transparent polyimide film)	Printed circuit board material for various electronic devices	Aromatic Chemicals Company, Planning & Development Division	81-3-3283-4814
Iupilon Sheet	Cellular phone front plate, indicator plate, building material	Engineering Plastics Division Sheet-Film Sales Group	81-3-3283-4798
Iupilon pola [polarizing sheet]	Polarizing lens		81-3-3283-4798
Iupilon film	Film for liquid crystal, plate, display panel		81-3-3283-4798
Plasticizers			
Diisononyl phthalate	Polyvinyl chloride plasticizer	CG Ester Corporation	81-3-5203-2860
n-Dioctyl phthalate	Polyvinyl chloride plasticizer		81-3-5203-2860
Dibutyl phthalate	Polyvinyl chloride plasticizer		81-3-5203-2860
Linevol phthalate	Polyvinyl chloride plasticizer		81-3-5203-2860
Trioctyl trimellitate	Polyvinyl chloride plasticizer	Aromatic Chemicals Division II	81-3-3283-4702

Product	Applications	Contact	Telephone
Health food ingredients			
BioQ10 (Coenzyme Q10)	Pharmaceuticals, Food	Biochemicals Division	81-3-3283-4772
BioQ10 SA (high bioavailability Q10)	Food		81-3-3283-4772
Coenzyme Q10 (cyclodextrin clathrate)	Food		81-3-3283-4772
Coenzyme Q10 (water soluble)	Food		81-3-3283-4772
Pyrroloquinoline quinone (PQQ)	Food		81-3-3283-4772
S-adenosylmethionine (SAME)	Food		81-3-3283-4772
Environmental agents, water treatment agents, disinfectants and disinfection technology			
YUTLAS ACE (oil treatment)	Oil treatment	Biochemicals Division	81-3-3283-4772
CONTLIME	Inhibitor of slime, scale, legionella and corrosion	Dia Aqua Solutions Co. Inc.	81-3-3272-8261
DESLIME	Desliming agent, pipe cleaning agent		81-3-3272-8261
Peracetic acid	Oxidizing agent, bleaching agent, antibacterial agent	Inorganic Chemicals Division, Sales & Marketing Department	81-3-3283-4759
Deo-Power	Deodorization of drainage and wastewater		81-3-3283-4759
Mild Fenton treatment	Soil and groundwater decontamination		81-3-3283-4759
Catalase (hydrogen peroxide decomposing agent)			
ASC Super (catalase)	Hydrogen peroxide decomposing agent (industrial use)	Biochemicals Division	81-3-3283-4772
ASC Hair	Hydrogen peroxide decomposing agent (hair treatment)		81-3-3283-4772
Solica (granule-type formulation of hydrogen peroxide decomposing agent)	Hydrogen peroxide decomposing agent (granule-type)		81-3-3283-4772
Electronic chemicals			
Chemical polishing agent (clean etch series)	Metal-surface treatment agent, abrasive compound, etching agent, stripping agent	Inorganic Chemicals Division Electronics Chemical Group	81-3-3283-4755
Super-pure ammonium hydroxide	Cleaner for use in electronic industry, etching agent		81-3-3283-4755
Super-pure hydrogen peroxide	Cleaner for use in electronic industry, etching agent, resist stripping agent		81-3-3283-4755
ELM clean	Semiconductor, liquid crystal display cleaning agent, etching agent, resist stripping agent		81-3-3283-4755
Semiconductor, liquid crystal display cleaning agent	—		81-3-3283-4755
Liquid cleaners for removing etch residues	—		81-3-3283-4755
Stripper for removing photoresist	—		81-3-3283-4755
Materials for printed wiring board			
High performance FR-4 for Multi-layered PWB	Printed wiring board	Electronic Materials Division	81-3-3283-4740
BT materials for high frequency circuits	Printed wiring board		81-3-3283-4740
BT materials for Chip-On-Board, Burn-In-Board and multi-layered PWB	Printed wiring board		81-3-3283-4740
BT materials for Chip-LED	Printed wiring board		81-3-3283-4740
BT materials for IC Plastic Package	Printed wiring board		81-3-3283-4740
BT materials for High Speed IC Plastic Package	Printed wiring board		81-3-3283-4740
Mass molding laminates	Multi-layered printed wiring board		81-3-3283-4740
LE (lubricated entry) SHEET	Entry sheet for mechanical drilling of printed circuit boards		81-3-3283-4740
Laser sheet	Printed circuit board laser machining support material		81-3-3283-4740
Oxygen absorbers			
AGELESS (oxygen absorbe)	Keep freshness, aroma, flavor and taste, prevention of mold, vermination, oxidation and discoloration	Oxygen Absorbers Division	81-3-3283-4842
AGELESS-OMAC® (oxygen absorber film)	Liquid food, pharmaceuticals		81-3-3283-4842
AGELESS EYE (oxygen indicator)	Packaging control, seal and airtight check of packaging container		81-3-3283-4842
AGELESS DRY® (calcium oxide desiccant)	Desiccant		81-3-3283-4842
Anaero Pack (anaerobic cultivation system)	Anaerobic cultivation system		81-3-3283-4842
RP System (RP agent-gas-barrier bags)	Metals/electronic components, deterioration prevention/insecticide for cultural assets		81-3-3283-4842
PharmaKeep (for pharmaceuticals/medical equipment)	Preservation of pharmaceuticals and medical equipment		81-3-3283-4842
Gas, gas generator			
Liquefied carbon dioxide	Food, welding, casting, barium carbonate	Organic Chemicals Division	81-3-3283-4747
Dry Ice/Dry Pellet	Cooling		81-3-3283-4747
MH-MD process (H ₂ gas and CO gas manufacturing device for methanol use)	High-purity hydrogen gas and CO gas production equipment	Basic Chemicals Division	81-3-3283-4831
Catalyzer			
Catalyzer (methanol synthesis)	Methanol synthesis	Basic Chemicals Division	81-3-3283-4792
Catalyzer (H ₂ -CO generation)	H ₂ -CO generation		81-3-3283-4792
Others			
PYRENEES (tooth whitening agent)	Tooth whitening agent	Inorganic Chemicals Division, Sales & Marketing Department	81-3-3283-4759
Diaprone (reducing agent for high fluidity concrete)	Reducing agent for high fluidity concrete	Biochemicals Division	81-3-3283-4772

MAJOR GROUP COMPANIES

In Japan

 manufacturing/processing
  trading
  information/service
  distribution
  others

Classification	Company name	Business description	Company	Address	Zip Code	Telephone
C	A.G. INTERNATIONAL CHEMICAL CO., INC.	Manufacture of purified isophthalic acids	 Aromatic Chemicals Company	[Head office] Mitsubishi Building, 2-5-2 Marunouchi Chiyoda-ku, Tokyo	100-8324	81-3-3283-4916
C	EIWA CHEMICAL INDUSTRY CO., LTD.	Manufacturing of blowing agents	 Specialty Chemicals Company	[Head office] Daido Seimei Co. Kyoto Building 9F Sanjo-sagaru karasuma-dori, Nakagyo-ku, Kyoto-shi	604-8161	81-75-256-5131
C	A&C CO., INC.	Manufacturing of choline chloride	 Natural Gas Chemicals Company	[Head office] 4061-2 Tayuhama, Kita-ku Niigata-shi, Niigata	950-3112	81-25-259-7187
	AGELESS SERVICE CENTER CO., LTD.	Technical service for AGELESS	 Information & Advanced Materials Company	[Head office] 3-6-1 Kanda Surugadai Chiyoda-ku, Tokyo	101-0122	81-3-3251-0761
	MGC APPLITECH CO., LTD.	Develop applied technology of hydrogen peroxide	 Specialty Chemicals Company	[Head office] Mitsubishi Building, 2-5-2 Marunouchi Chiyoda-ku, Tokyo	100-8324	81-3-3283-4770
	MGC ENGINEERING CO., LTD.	Engineering/maintenance	 Corporate	[Head office/plant] 1318 Tayuhama, Kita-ku Niigata-shi, Niigata	950-3112	81-25-259-2711
E	OTSUKA-MGC CHEMICAL CO., INC.	Manufacturing and sales of hydrazine hydrate	 Specialty Chemicals Company	[Head office] Nihon-seimei Yodoyabashi Building 3-5-29 Kitahama, Chuo-ku Osaka-shi, Osaka	541-0041	81-6-4706-7562
	MGC TECHNO-SERVICES CO., INC.	Technical information service	 Corporate	[Head office] Mitsubishi Building, 2-5-2 Marunouchi Chiyoda-ku, Tokyo	100-8324	81-3-3283-5140
	DU PONT-MGC CO., LTD.	Manufacturing and sales of anhydrous pyromellitic acid	 Aromatic Chemicals Company	[Head office] Mitsubishi Building, 2-5-2 Marunouchi Chiyoda-ku, Tokyo	100-8324	81-3-3283-4723
	MGC NIIGATA SERVICE CO., LTD.	Analysis service	 Natural Gas Chemicals Company	[Head office] 3500 Matsuhama-cho, Kita-ku Niigata-shi, Niigata	950-3121	81-25-259-6293
C	MGC FINANCE CO., LTD.	Financing for group companies	 Corporate	[Head office] Mitsubishi Building, 2-5-2 Marunouchi Chiyoda-ku, Tokyo	100-8324	81-3-3283-5093
C	MGC FILSHEET CO., LTD.	Manufacturing of polycarbonate sheets	 Specialty Chemicals Company	[Head office/plant] 4-2242 Mikajima Tokorozawa-shi, Saitama	359-1164	81-42-948-2151
	MGC LOGISTICS SERVICE MIZUSHIMA CO., LTD.	Transportation/storage	 Aromatic Chemicals Company	[Head office] 3-10 Mizushima-kaigandori Kurashiki-shi, Okayama	712-8071	81-86-446-3825
	MGC LOGISTICS YAMAKITA CO., LTD.	Operation duties	 Specialty Chemicals Company	[Head office] 950 Kishi, Yamakita-machi Ashigarakami-gun, Kanagawa	258-0112	81-465-75-2635
C	ELECTROTECHNO CO., LTD.	Manufacturing of copper-clad laminates	 Information & Advanced Materials Company	[Plant] 9-41 Sugiyama, Yone, Nishigo-mura Nishishirakawa-gun, Fukushima	961-8031	81-248-25-5000
	OSAKA NAIGAI EKIYU CO., LTD.	Transportation	 Natural Gas Chemicals Company	[Head office] 3-2-50 Sakurajima Konohana-ku, Osaka	554-0031	81-6-6468-4501
	OSHIKA FORMALIN CO., LTD.	Sales of formalin	 Natural Gas Chemicals Company	[Head office] Mitsubishi Building, 2-5-2 Marunouchi Chiyoda-ku, Tokyo	100-8324	81-3-3283-4775
C	MARINE TRANSPORT AND TERMINAL CO., LTD.	Storage terminal for chemicals	 Natural Gas Chemicals Company	[Head office] 2881-30 Hamabe, Taroudai, Kita-ku Niigata-shi, Niigata	950-3101	81-25-255-2041
	KAGAKU UNYU CO., LTD.	Transportation/storage	 Aromatic Chemicals Company	[Head office] 3-1-11 Mizushima-nakadori Kurashiki-shi, Okayama	712-8072	81-86-448-3655
C	KINOE TERMINAL CO., LTD.	Storage terminal for methanol	 Natural Gas Chemicals Company	[Head office] Tokyo Sakurada Building, 1-1-3 Nishi-Shinbashi, Minato-ku, Tokyo	105-0003	81-3-3593-3035
C	KYODOU KASANKASUISO CORP.	Manufacturing of hydrogen peroxide	 Specialty Chemicals Company	[Head office/plant] 35 Higashi Wada, Kamisu-shi, Ibaraki	314-0102	81-299-97-0785
	KYODO SAKUSAN CO., LTD.	Manufacturing and sales of acetic acid using the methanol carbonylation process	 Aromatic Chemicals Company	[Head office] Shinbashi Four Deer Building 3-7-3 Shinbashi, Minato-ku, Tokyo	105-0004	81-3-3503-7503
	GRANOPT CO., LTD.	Manufacturing and sales of RiG (Bi-substituted rare-earth iron garnet single crystals)	 Information & Advanced Materials Company	[Head office/plant] 4-4 Ougibuchi, Ougida Noshiro-shi, Akita	016-0122	81-185-70-1800







C=Consolidated subsidiary E=Equity method affiliate

Classification	Company name	Business description		Company	Address	Zip Code	Telephone
C	KOKUKA SANGYO CO., LTD.	Shipping		Natural Gas Chemicals Company	[Head office] NBF Hibiya Building, 1-1-7 Uchisaiwaicho, Chiyoda-ku, Tokyo	100-0011	81-3-3593-3663
E	CG ESTER CORP.	Manufacturing and sales of plasticizers		Aromatic Chemicals Company	[Head office] Landic Nihonbashi Building 2-16-13 Nihonbashi, Chuo-ku, Tokyo	103-0027	81-3-5203-2860
E	JSP CORP.	Manufacturing and sales of foamed plastic		Corporate	[Head office] Shin Nisseki Building 3-4-2 Marunouchi, Chiyoda-ku, Tokyo	100-0005	81-3-6212-6300
	SHINSANSO KAGAKU CO.	Manufacturing of hydrogen peroxide		Specialty Chemicals Company	[Head office/plant] 148-58 Yufutsu Tomakomai-shi, Hokkaido	059-1372	81-144-55-7337
	DIA AQUA SOLUTIONS CO., INC.	Sales and technical service of water treatment agent		Specialty Chemicals Company	[Head office] Nippon Building, 2-6-2 Otemachi Chiyoda-ku, Tokyo	100-0004	81-3-3272-8261
E	DIA TEREPHTHALIC ACID CORP.	Sales of purified terephthalic acid		Aromatic Chemicals Company	[Head office] 4-14-1 Shiba, Minato-ku, Tokyo	108-0014	81-3-6414-4200
C	TOKYO SHOKAI, LTD.	Sales of synthetic resins and electronic materials		Corporate	[Head office] 3-6-1 Kanda Surugadai Chiyoda-ku, Tokyo	101-0062	81-3-3251-0171
E	TOHO EARTHTECH, INC.	Manufacturing and sales of natural gas and plastics		Natural Gas Chemicals Company	[Head office] 86-51 Ichiban-cho, Higashi Nakadori Chuo-ku, Niigata	951-8116	81-25-229-2121
C	TOYO KAGAKU CO., LTD.	Manufacturing and sales of plastic injection molding		Specialty Chemicals Company	[Head office/plant] 51-497 Doudou, Morowa, Togo-cho Aichi-gun, Aichi	470-0151	81-561-39-0531
	NISSHIN UNYU CO., LTD.	Transportation/storage		Natural Gas Chemicals	[Head office] 1383 Tayuhama, Kita-ku Niigata-shi, Niigata	950-3112	81-25-259-3255
	NISSHIN COLORING CO., LTD.	Coloration processing of plastic		Specialty Chemicals Company	[Head office] 2506-6 Ogohara, Komono-cho Mie-gun, Mie	510-1222	81-593-94-3100
E	JAPAN ACRYACE CORP.	Manufacturing and sales of acrylic sheets		Natural Gas Chemicals Company	[Head office] Shin nisseki Building 3-4-2 Marunouchi, Chiyoda-ku, Tokyo	100-0005	81-3-6212-6390
C	JAPAN CIRCUIT INDUSTRIAL CO., LTD.	Manufacturing and sales of printed circuit boards		Information & Advanced Materials Company	[Head office/plant] 2-1236 Kamiike-cho, Toyota-shi, Aichi	471-0804	81-565-88-3718
E	JAPAN SAUDI ARABIA METHANOL CO., INC.	Business administration for AR-RAZI		Natural Gas Chemicals Company	[Head office] Tokyo Sakurada Building 1-1-3 Nishi-Shinbashi, Minato-ku Tokyo	105-0003	81-3-3593-3541
	JAPAN DME CO., LTD.	Study of the development of DME business		Natural Gas Chemicals Company	[Head office] Mitsubishi Building, 2-5-2 Marunouchi Chiyoda-ku, Tokyo	100-8324	81-3-3283-4824
C	JAPAN BIO CO., LTD.	Rent facilities		Natural Gas Chemicals Company	[Head office] 3500 Matsuhama-cho, Kita-ku Niigata-shi, Niigata	950-3121	81-25-259-3165
C	JAPAN PIONICS CO., LTD.	Manufacturing and sales of gas purifier		Natural Gas Chemicals Company	[Head office] 3-3-32 Tamura Hiratsuka-shi, Kanagawa	254-0013	81-463-53-8300
C	JAPAN FINECHEM CO., INC.	Manufacturing and sales of fine chemicals and electronic products		Natural Gas Chemicals Company	[Head office] Kayabacho Nakano Building 1-22-15 Shinkawa, Chuo-Ku, Tokyo	104-0033	81-3-3552-7611
	JAPAN FORMALIN CO., INC.	Manufacturing and sale of formalin		Natural Gas Chemicals Company	[Head office] 6-1-8 Sotokanda, Chiyoda-ku, Tokyo	101-0021	81-3-5818-1848
	JAPAN METHYL ETHER CO., LTD.	Manufacturing and sales of dimethyl ether		Natural Gas Chemicals Company	[Head office] Mitsubishi Building, 2-5-2 Marunouchi Chiyoda-ku, Tokyo	100-8324	81-3-3283-4825
E	JAPAN U-PICA CO., LTD.	Manufacturing and sales of unsaturated polyester resins		Corporate	[Head office] Madre Matsuda Building 4-13 Kioi-cho, Chiyoda-ku, Tokyo	102-0094	81-3-6850-0251
	FUEL DME PRODUCTION CO., LTD.	Manufacture of dimethyl ether		Natural Gas Chemicals Company	[Head office] 86-51 Ichiban-cho, Higashi-nakadori Kita-ku, Niigata	951-8116	81-3-3283-4824
C	FUDOW CO., LTD.	Manufacturing and sale of molding resins		Aromatic Chemicals Company	[Head office] 2-15-16 Shin Yokohama, Kohoku-ku Tokohama-shi, Kanagawa	222-0033	81-45-548-4210
C	POLYOLS ASIA CO., INC.	Manufacturing and sales of polyhydric alcohols		Natural Gas Chemicals Company	[Head office] Mitsubishi Building, 2-5-2 Marunouchi Chiyoda-ku, Tokyo	100-8324	81-3-3283-4825

C=Consolidated subsidiary E=Equity method affiliate

MAJOR GROUP COMPANIES





 manufacturing/processing
  trading
  information/service
  distribution
  others

Classification	Company name	Business description	Company	Address	Zip Code	Telephone
E	MIZUSHIMA AROMA CO., LTD.	Manufacturing and sales of purified terephthalic acid	 Aromatic Chemicals Company	[Head office/plant] 2-3-1 Mizushima-kaigandori Kurashiki-shi, Okayama	712-8072	81-86-446-4570
	MIZUSHIMA KASOZAI CO., LTD.	Manufacturing and sales of special plasticizer	 Aromatic Chemicals Company	[Head office] Mitsubishi Building, 2-5-2 Marunouchi, Chiyoda-ku, Tokyo	100-8324	81-3-3283-4733
	MIZUSHIMA PARAXYLENE CO., LTD.	Manufacturing and sales of petrochemistry product	 Aromatic Chemicals Company	[Head office] 2-6-3 Otemachi, Chiyoda-ku, Tokyo	100-8161	81-3-6275-5109
E	MITSUBISHI ENGINEERING-PLASTICS CORP.	Manufacturing and sales of engineering plastics	 Specialty Chemicals Company	[Head office] Shiodome Sumitomo-Building, 1-9-2 Higashi-shinbashi, Minato-ku, Tokyo	105-0021	81-3-6274-9000
	MEIHAN SHINKU KOGYO CO., LTD.	Resin processing	 Specialty Chemicals Company	[Head office] 106-1 Koyama, Kanan-cho Minamikawachi-gun, Osaka	585-0034	81-721-90-3223
	HACHIMANTAI GEOTHERMAL CORP.	Maintenance of steam facilities, environmental monitoring	 Natural Gas Chemicals Company	[Head office] Kaminakajima 140 Hanawa, Kazuno-shi, Akita	018-5201	81-186-23-3861
	YAMADA KASEI CO., LTD.	Manufacturing and sales of chemical products and synthetic resins	 Corporate	[Head office] Yamada Building, 2-8-4 Uchikanda Chiyoda-ku, Tokyo	101-0047	81-3-3256-7861
	YUTAKA CHEMICAL CORPORATION	Manufacturing and sales of formaline	 Natural Gas Chemicals Company	[Head office] 8-1 Akashi-cho, Chuo-ku, Tokyo	104-0044	81-3-5148-7134
C	YONEZAWA DIA ELECTRONICS CO., LTD.	Manufacture of mass molding laminates, process development	 Information & Advanced Materials Company	[Head office] 3-446-3 Hachimanbara Yonezawa-shi, Yamagata	992-1128	81-238-28-1345
C	RYOKO CHEMICAL CO., LTD.	Sale of chemicals for general industry use and packing materials	 Corporate	[Head office] 4-12-20 Nihonbashi Honcho Chuo-ku, Tokyo	103-0023	81-3-6861-0050
	RYOKO LOGISTICS CO., LTD.	Transportation/storage	 Specialty Chemicals Company	[Head office] 2-81 kamisu-cho, Toyonaka-shi Osaka	561-0823	81-6-6331-2453
	RYODEN KASEI CO., LTD.	Manufacturing and sales of laminates	 Specialty Chemicals Company	[Head office/plant] 2-6-1 Miwa, Sanda-shi, Hyogo	669-1513	81-795-62-6801
	RYOUTOU UNYU SOUKO CO., LTD.	Transportation/storage	 Information & Advanced Materials Company	[Head office] 5-13-3 Nijjuku, Katushika-ku, Tokyo	125-0051	81-3-3607-1205
	RYOYU INDUSTRIAL CORP.	Manufacture of flat heaters	 Natural Gas Chemicals Company	[Head office] Tokyo Sakurada Building, 1-1-3 Nishi-Shinbashi, Minato-ku, Tokyo	105-0003	81-3-3506-3758
C	RYOYO TRADING CO., LTD.	Sales of chemical products/insurance agent	 Corporate	[Head office] Tokyo Sakurada Building, 1-1-3 Nishi-Shinbashi, Minato-ku, Tokyo	105-0003	81-3-3506-3750
C	RYOWA ENTERPRISE CO., LTD.	Property management/travel agency	 Corporate	[Head office] Mitsubishi Building, 2-5-2 Marunouchi, Chiyoda-ku, Tokyo	100-8324	81-3-3283-4945

C=Consolidated subsidiary E=Equity method affiliate

Overseas

 manufacturing/processing
  trading
  information/service
  distribution
  others

Classification	Company name	Business description	Company	Address	Zip Code	Country	Telephone
	AGELESS (THAILAND) CO., LTD.	Manufacturing and sales of oxygen absorbers	 Information & Advanced Materials Company	[Head office/plant] Amatanakorn Industrial Estate 700/323 MOO6, Tumbol, Don Hua Lor Muang Chonburi District, Chonburi		Thailand	66-38-458-351
E	BRUNEI METHANOL COMPANY SDN. BHD.	Manufacturing and sales of methanol	 Natural Gas Chemicals Company	[Head office] Sungai Liang Industrial Park (SPARK) Kg. Sungai Liang, Daerah Belait	KC1135	Brunei Darussalam	673-322-9300
E	KOREA ENGINEERING PLASTICS CO., LTD.	Manufacturing and sales of polyacetal resins	 Specialty Chemicals Company	[Head office] 450, Kongduk-Dong, Mapo-Ku, Seoul 121-720	121-720	Korea	82-2-707-6840
C	LING TIAN (NANJING) FINE CHEMICAL CORP.	Manufacturing and sales of methylamine derivatives	 Natural Gas Chemicals Company	[Head office] 168 Fenghua Road, Chemical Industry Park, Luhe District, Nanjing	210047	China	86-25-84716550

C=Consolidated subsidiary E=Equity method affiliate

Classification	Company name	Business description	Company	Address	Zip Code	Country	Telephone
C	LING YOU ENGINEERING-PLASTICS (SHANGHAI) CO., LTD.	Manufacturing and sales of polycarbonate resin	 Specialty Chemicals Company	[Temporary office] The Second Floor, 128 HeZhan Road SCIP	201507	China	86-21-3728-7188
E	METANOL DE ORIENTE, METOR, S.A.	Manufacturing and sales of methanol	 Natural Gas Chemicals Company	[Head office] Codigo Postal: 5077 Puerto la Cruz 6023 Estado Anzoategui		Venezuela	58-81-708900
C	MGC ADVANCED POLYMERS, INC.	Manufacturing and sales of nylons	 Aromatic Chemicals Company	[Head office/plant] 1100 Port Walthall Drive Colonial Heights, Virginia	23834	U.S.A.	1-804-520-7800
C	MGC PURE CHEMICALS AMERICA, INC.	Manufacturing and sales of ultra-pure hydrogen peroxide	 Specialty Chemicals Company	[Head office] 6560 South Mountain Road, Mesa Arizona	85212-9716	U.S.A.	1-480-987-9100
C	MGC PURE CHEMICALS SINGAPORE PTE. LTD.	Manufacturing and sales of ultra-pure hydrogen peroxide/Super-pure ammonium hydroxide/Chemical polishing agent	 Specialty Chemicals Company	[Head office/plant] 29 Tuas West Road	638428	Singapore	65-6897-8971
C	MGC PURE CHEMICALS TAIWAN, INC.	Manufacturing and sales of ultra-pure Hydrogen peroxide	 Specialty Chemicals Company	[Head office/plant] 12, Ching 1st Rd., Chung Kang Economic Processing Zone, Wuchi Town Taichung 435		Taiwan	886-4-2658-4466
	MGC TRADING (THAILAND) LTD.	Sales of chemical products in Asia	 Corporate	[Head office] 18th Floor, Unit 1810, Empire Tower 195 South Sathorn Rd., Yannawa Sathorn, Bangkok	10120	Thailand	66-2-670-3417
C	mitsubishi gas chemical AMERICA, INC.	Sales of chemical products/functional products in USA	 Corporate	[Head office] 655 Third Avenue, 24th Floor New York	10017	U.S.A.	1-212-687-9030
	MITSUBISHI GAS CHEMICAL EUROPE GMBH	Sales of aromatic chemicals/ functional products in Europe	 Corporate	[Head office] Immermannstr. 13, Dusseldorf	D-40210	Germany	49-211-363080
	MITSUBISHI GAS CHEMICAL SHANGHAI COMMERCE LTD.	Sales of chemical products/functional products in China	 Corporate	[Head office] 2110A, Westgate Mall, 1038 Nanjing Road (W), Shanghai	200041	China	86-21-62184081
C	MITSUBISHI GAS CHEMICAL SINGAPORE PTE. LTD.	Sale of methanol and other chemicals in the Southeast Asia	 Corporate	[Head office] 24 Raffles Place #16-01 Clifford Centre	48621	Singapore	65-6224-0059
	POLYXYLENOL SINGAPORE PTE. LTD.	Manufacturing of polyphenylene ether resin	 Specialty Chemicals Company	[Head office] 6 Battery Road #13-01	49909	Singapore	65-6324-3001
	PTM ENGINEERING PLASTICS (NANTONG) CO. LTD.	Manufacturing and sales of polyacetal resin	 Specialty Chemicals Company	[Head office] No.171 Minxing Road, NETDA, Jiangsu Province		China	86-513-5922000
C	P.T. PEROKSIDA INDONESIA PRATAMA	Manufacturing and sales of hydrogen peroxide	 Specialty Chemicals Company	[Head office] Jl. Jend. A. Yani, P.O. Box 53 Cikampek, 41373, Jawa Barat		Indonesia	62-264-31-3383
C	SAMYOUNG PURE CHEMICALS CO., LTD.	Manufacturing and sales of ultra-pure hydrogen peroxide	 Specialty Chemicals Company	[Head office] Sungdam Building 9F, 142-35 Samsung-dong, Kangnam-ku, Seoul	135-090	Korea	82-2-563-8980
	SAUDI METHANOL CO. (AR-RAZI)	Manufacturing and sales of methanol	 Natural Gas Chemicals Company	[Head office] P.O.Box 10065 Madinat Al-Jubail Al- Sinaiyah		Kingdom of Saudi Arabia	966-3-357-7810
C	SUZHOU MGC SUHUA PEROXIDE CO., LTD.	Manufacturing and sales of hydrogen peroxide/chemical polishing agent	 Specialty Chemicals Company	[Head office] Dongsha Chemical Zone, Leyu Town Zhangjiagang	215619	China	86-512-58633988-8882
	TAI HONG CIRCUIT INDUSTRIAL CO., LTD.	Manufacturing and sales of printed circuit boards	 Information & Advanced Materials Company	[Head office/plant] No.1 Chung-chun Lane Min-sheng N.Road., Sec.1 Nan-sheng, Village Kweishan Hsiang, Taoyuan Hsien		Taiwan	886-3-3321-1108
C	THAI POLYACETAL CO., LTD.	Manufacturing and sales of polyacetal resin	 Specialty Chemicals Company	[Head office] Emporium Tower, Floor 24/4-7, 622 Sukhumvit Road, Klongton Klongtoey Bangkok	10110	Thailand	66-2-261-9260
	THAI POLYCARBONATE CO., LTD.	Manufacturing and sales of polycarbonate resin	 Specialty Chemicals Company	[Head office] Emporium Tower, Floor 24/4-7, 622 Sukhumvit Road, Klongton Klongtoey Bangkok	10110	Thailand	66-2-261-9260

C=Consolidated subsidiary E=Equity method affiliate

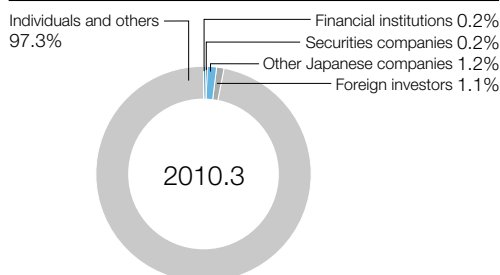
BUSINESS LOCATIONS

	Address	Telephone	Fax
Head Office			
Head Office	Mitsubishi Building, 5-2 Marunouchi 2-chome Chiyoda-ku, Tokyo 100-8324, Japan	81-3-3283-5000	81-3-3287-0833
Branch Offices			
Osaka Branch	Kita Hankyu Building, 4-8 Shibata 1-chome Kita-ku, Osaka 530-0012	81-6-6372-1300	81-6-6376-1220
Shanghai Office	2110A, Westgate Mall, 1038 West Nanjing Road Shanghai 200041, China	86-21-62184081	86-21-62184092
Research Institutes			
Tokyo Techno Park (TTP)	1-1 Nijuku 6-chome Katsushika-ku, Tokyo 125-8601	81-3-3627-9411	81-3-3627-9711
Tokyo Research Laboratory	1-1 Nijuku 6-chome Katsushika-ku, Tokyo 125-8601	81-3-3627-9411	81-3-3627-9711
MGC Chemical Analysis Center	1-1 Nijuku 6-chome Katsushika-ku, Tokyo 125-8601	81-3-3627-9586	81-3-3627-9560
Niigata Research Laboratory	182 Tayuhama Shinwari, Kita-ku, Niigata 950-3112	81-25-259-8211	81-25-259-8218
Hiratsuka Research Laboratory	6-2 Higashiyawata 5-chome Hiratsuka-shi, Kanagawa 254-0016	81-463-21-8600	81-463-21-8630
Plants			
Niigata Plant	3500 Matsuhamacho, Kita-ku, Niigata 950-3121	81-25-258-3474	81-25-259-6931
Mizushima Plant	3-10 Mizushima Kaigandori Kurashiki-shi, Okayama 712-8525	81-86-446-3822	81-86-448-4723
Yokkaichi Plant	4-16 Hinagahigashi 2-chome Yokkaichi-shi, Mie 510-0886	81-59-345-8800	81-59-347-0799
Naniwa Plant	3-27 Funamachi 1-chome Taisho-ku, Osaka 551-0022	81-6-6551-3371	81-6-6551-6165
Saga Plant	681-45 Kamikumakawa, Fuji-cho, Saga 840-0512	81-952-64-2400	81-952-64-2402
Yamakita Plant	950 Kishi, Yamakita-machi Ashigarakami-gun, Kanagawa 258-0112	81-465-75-1111	81-465-76-3424
Kashima Plant	35 Towada, Kamisu-shi, Ibaraki 314-0102	81-299-96-3121	81-299-96-5686
Overseas Branch Offices			
Mitsubishi Gas Chemical America, Inc.	655 Third Avenue, 24th Floor, New York, NY 10017 U.S.A.	1-212-687-9030	1-212-687-2810
Mitsubishi Gas Chemical Singapore Pte. Ltd.	24 Raffles Place #16-01, Clifford Centre, Singapore 048621	65-6224-0059	65-6224-6079
MGC Trading (Thailand) Ltd.	195, Empire Tower, 18Fl., Unit 1810, Sathorn Rd. Yannawa, Sathorn Bangkok, Thailand	66-2-670-3417	66-2-670-3419
Mitsubishi Gas Chemical Europe GmbH	Immermannstr. 13, D-40210, Dusseldorf, Germany	49-211-363080	49-211-354457
Mitsubishi Gas Chemical Shanghai Commerce Ltd.	2107B, Westgate Mall, 1038 West Nanjing Road Shanghai 200041, China	86-21-62184081	86-21-62184092

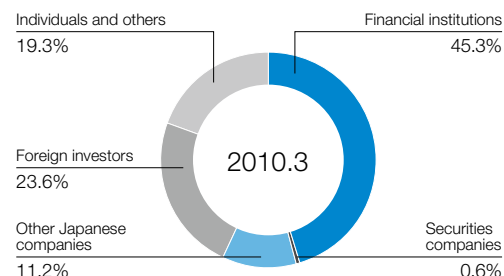
INVESTOR INFORMATION

Listing	The first section of the Tokyo Stock Exchange
Ticker code	4182
Authorized shares	984,856,000
Outstanding shares	483,478,398
Stock transaction unit	1,000 - shares
Number of stockholders	32,785
Composition of stockholders	

Composition by holders



Composition by holdings

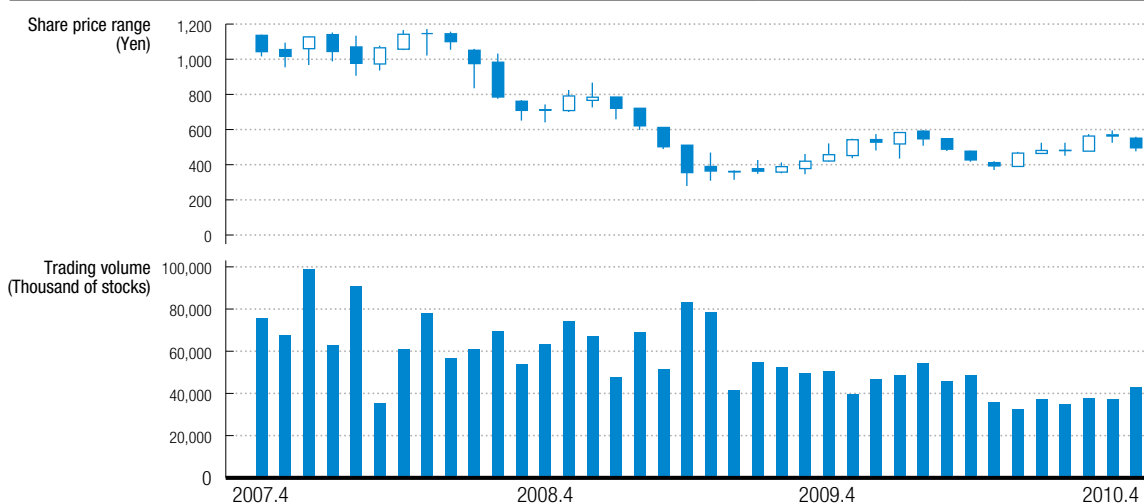


Major stockholders (Top 10)

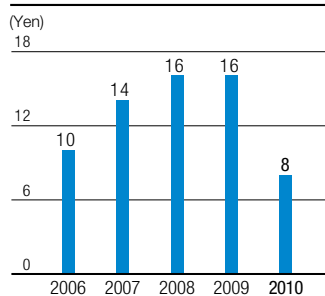
	Name	Number of shares held (Thousands)	Shareholding ratio (%)
1	The Master Trust Bank of Japan, Ltd. (Trust Account)	29,202	6.5
2	Nippon Life Insurance Company	21,452	4.7
3	Japan Trustee Services Bank, Ltd. (Trust Account)	21,013	4.6
4	Meiji Yasuda Life Insurance Company	16,795	3.7
5	The Bank of Tokyo-Mitsubishi UFJ, Ltd.	15,007	3.3
6	Mitsubishi UFJ Trust and Banking Corp.	11,686	2.6
7	The Norinchukin Bank	10,053	2.2
8	Asahi Glass Co., Ltd.	9,671	2.1
9	Tokio Marine & Nichido Fire Insurance Co., Ltd.	8,708	1.9
10	Sompo Japan Insurance Inc.	8,565	1.9

Note: MGC holds 31,420 thousand shares of treasury stock, which is not included in the above list of principal stockholders or percentage calculations.

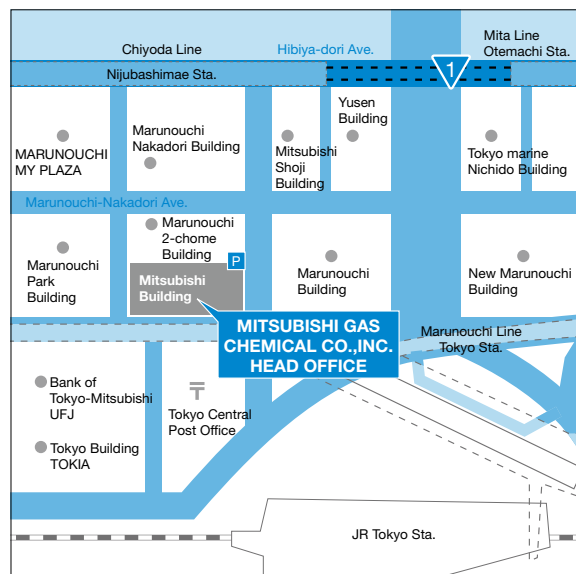
Monthly stock price range and trading volume



Dividend per share



Head office in Tokyo



Access

A two-minute walk from JR Tokyo Station
(Marunouchi South Exit)

A one-minute walk from Tokyo Station
(Tokyo Metro Marunouchi Line)

A two-minute walk from Nijubashimae Station
(Tokyo Metro Chiyoda Line, Exit 4)



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