Presentation for Analyst Meeting

November 21, 2006

Ryuichi Tomizawa President & CEO Mitsubishi Chemical Holdings Corporation

Agenda

- Interim Financial Results for the Year Ending March 31, 2007
- Management Challenge in the MCHC* Group
- Performance & Functional Products Segment
 - **4** Future Perspectives
 - Mitsubishi Polyester Film Group
 - Mitsubishi Chemical Functional Products, Inc.

* Mitsubishi Chemical Holdings Corporation

Historical Summary



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Agenda

Interim Financial Results for the Year Ending March 31, 2007

Management Challenge in the MCHC* Group

- Performance & Functional Products Segment
 - **Future Perspectives**
 - Mitsubishi Polyester Film Group
 - Mitsubishi Chemical Functional Products, Inc.

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Management Challenge in the MCHC Group

Manage against cyclicality and naphtha price fluctuations Sustain attractive new product/business pipelines

- Measures on diversified sources of feedstocks; collaboration w/ oil refineries
- > Changes in business model
- Business expansion & resource allocation on concentration businesses

Businesses in performance & functional products and health care have increased strength to raise the level of profit.

Further portfolio restructuring and strengthening of businesses are in progress.

Contribution from Performance and Functional Products and Health Care



Net Sales & Operating Income by Segments



Toward Strengthening High-Value-Added Business

Thorough dialogue with customers

- Much faster: Identify changes in business environments (values) and suggest solutions to customers ahead of others.
- Much wider: Integrate technologies and know-how and pursue business models
- More passionate: Improve customers' commercial values by high-quality solution



Customer Laboratory





Chemistry Plaza



Response to Changes in Business Environment (Value)



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Historical Summary and Business Structure for the Performance & Functional Products Segment



Information and Electronics Related Business



"LCD Components" Supported by Wide-ranging Technologies



Unique Technologies for LCD Production Lines

Businesses related to LCD manufacturing in the MCHC Group



Toward High-Value-Added Product Businesses

Business development maximizing new product incubation and solution capabilities

e.g. Approach to the market for FPD related materials and components



New Business Development Technology Platform



Aiming at a Global Leading Runner with Customers



Good Chemistry for Tomorrow

Creating better relationships among people, society, and our planet.



Mitsubishi Polyester Film Group

November 21, 2006

Steve Yurich, CEO

Agenda

- 1. Mitsubishi Polyester Film Group at a Glance
- 2. Today's Message
- 3. Business Topics
 - Market Valuation
 - ·Release Film, FPD*
 - New Application Opportunities
- 4. Summary

*Flat Panel Display

History of Mitsubishi Polyester Film



Location



Mitsubishi Polyester Film Group

- •One of the leading companies in PET film business worldwide
- -Located in USA, Germany, Japan, and Indonesia

Brief History of Steve Yurich

My career has encompassed many functions and business units and three parent companies, American, German and Japanese.



Vision

MPF will be the global leader in polyester film.

We will be recognized as a 'solution company' focused on creating and capturing value in partnership with our customers.

We will maximize synergies and profitability across all business functions and regions and will consistently meet or exceed our stakeholders' expectations.

Slogan WORLD CLASS

Policy

Maximize our profit by focus on key growth specialty market where MPF has an No.1 or No.2 position in products and technology.

Focus includes customer collaboration in product development, technology platform development, global expansion of product line, and human capital positioning. Performance

Good **Chemistry** for Tomorrow Mitsubishi Chemical Holdings Group



Today's Message



Current Application Examples

Good **Chemistry** for Tomorrow Mitsubishi Chemical Holdings Group



Market Valuation of existing products

Growth **Nurture** Focus Solar panel Medical Label **Battery FPD** Specialty Industrials High **Steel** Automotive lamination **Shrink Building** Window **MLCC** DFR Commodity Packaging Commodity TTR Industrials Low Magnetic Capacitor Limited Selective Small Big Market size **Nurture:** Strengthen on product/application development to be No.1 or No.2 **Release platform** Focus: Growth strategy with investment technology applied Limited: Limited exposure 10 Selective: Selective focus

What is Release film?

Film with surface property that allows it to separate for functional use as a

Carrier/Casting/Protective sheet

World Class

Technology Platform

Resin

Process

Coating in line / off line silicone/ non silicone, solvent/solventless/emulsion

Platforms excellence includes

- Transparency ·Defects free
- ·Flatness
- ·Release property

World Class

Customer Collaboration

Long development history

Investment to meet their needs

Develop products to make our customers as leaders in the industry

Wide market applications

Success for Release One fourth of MPF's revenue One third of world market share Applied key technology in FPD

FPD Demand





Leading PET film supplier in FPD

Global standard in the industry

Wide Market Applications

LCD Polarizer PDP Release Protective Diffusion sheet Prism sheet Reflection sheet

AR EMI NIR Release

World Class Technology Platform

Development of technology platform

*Resin *Coating *Manufacturing technology

Synergy with MCC

World Class Customer Collaboration

Long development history

Investment to meet their needs

Develop products to make our customers as leaders in the industry

Wide Market Applications - LCD Panel



Example of PDP optical filter structure



NIR: Near Infrared

About 5 pieces of PET film ¹⁵

World Class Technology Platform

High performance film MCC Group (TPA, MEG, PET) Resin **Modified polyester Co-polyester Additives** Process Coating **Adhesion promotion** Equipment Anti-static Analysis Release Heat resistant **MCC** Group **MCC Group**

World Class Customer Collaboration



New Application Opportunities in Future

Good **Chemistry** for Tomorrow Mitsubishi Chemical Holdings Group



World Class Technology Platform Vorld Class Customer Collaboration



Shareholder Value

MPF is committed to invest for growth.

MPF is working jointly with customers to develop products for emerging business opportunities.

Earings Growth MPF is the leading film supplier in FPD due to World Class Technology Platform, Customer Collaboration and Wide Market Applications.

> MPF focuses resources based on market valuation with key technology platforms such as release.

MPF's revenue and profitability continue to grow significantly.

MPF is a global company, 100% MCC subsidiary utilizing synergies.

November 21, 2006

Masami Segawa President

Agenda

- Corporate profile , business overview
- Key business (for IT & Automotive industries)
- Expansion plan
- > 2010 Objective

MCFP Corporate profile

- Corporate name : Mitsubishi Chemical Functional Products, Inc.
- Founded : September 21, 1976
- Paid-in capital : 2 billion yen
- Employees : 390
- Holding company : 100% owned by

Mitsubishi Chemical Corporation, Inc.

- Business division
 - •Composite Materials Division
 - Civil Work Materials Division
 - •Plastics Pipes & Floor Heating Panels Division
 - •Functional Chemicals Division
 - Logistics Materials Division
 - Carbon Fiber & Alumina Fiber Division
 - Business Development Division

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MCFP Business results

Operating income continuously hit the record for 6 years. 2006 operating income will be 4 times of 2000.



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Sales breakdown



Expand business in IT & Automotive industries area

Introduction of MCFP key business

for IT industry

「DIALEAD」 application in LCD industry

[DIALEAD]: Indispensable to increasing LCD panel size.

Robot hand: High speed & stable carry of large size glass panel.



Low deflection, Quick vibration damping

- → Stable carry
- → Reducing tact time

Roller: Uniform treatments of glass/film surface. High precision coating.



Low deflection, Ultra high precise rotation, Low rotational inertia

- → Higher quality by precise movement control
- → Higher productivity by high speed production

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CF-robot hand for G9 glass substrates



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Application of 「CARBOLEADER」 (CF roller)

LCD film making machine rollers



Coating roller





Guide roller of polarizer manufacturing



Guide roller for film slitter (rubber lining)



Winding roller for film slitter



Grooved roller for film slitter



Advantages of 「CARBOLEADER」 (Light weight, High stiffness, High precision)



Data of each materials performance

Material	OD	ID	Face	Weight	Deflection	Moment of inatia	Critical speed
	[mm]	[mm]	[mm]	[kg]	[mm]	[kg·m²]	[m/min]
Steel	260	235	5,000	506	<0.1	26.7	1,450
Aluminum	280	245		250		14.8	1,520
Carbon	180	156		106		2.7	2,080



For film manufacturing line



Demand forecast of LCD panel (Substrate)

Rapid growth of TV application

*by MCFP estimates

: Expand capacity up to 150-200 million m2/year



Sales forecast of robot hand & rollers



Introduction of MCFP key business for Automotive industry

Carbon brake

Light weight : Density ratio 1/3 (carbon 1.9, cast iron 7.9)
Weight reduction 24kg / car (cast iron 9kg, carbon 3kg, 4 discs)

- Heat resistance : Excellent friction and safety at high speed driving
- * Ceramic brake

Improvements in friction and wear resistance by ceramic for high performance motorcycle and automobile

Carbon brake for Motorcycle



Ceramic brake



World emission controls push alumina fiber demand

- CO2 concerns promote diesel engines
- Rising fuel prices accelerate shifting to diesel/hybrids (gasoline, diesel)



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Mitsubishi Chemical Holdings Group

Demand forecast of support mat application

*by MCFP's estimate



World automotive productions

Demand forecast of DPF support mat application (Passenger cars)

Registered diesel passenger cars (Thousand/year)



Cars : 2.3 million increase in 5 years. Alumina fiber : 1,200 ton increase in 5 years, Total demand in 2010 is ca.5,000 ton. (0.5kg/car is used)

Expansion plan

Carbon fiber 「DIALEAD」 expansion plan



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Carbon fiber applications and demand (outlook)



Alumina fiber 「MAFTEC」 expansion plan



MCFP Sakaide plant



2010 Objective

MCFP 2010 Objective



- 2010 Objective !
- ✓Continuous growth
 - 10 years continuous growth
- ✓ Net sales: 100 billion yen
- Operating income
 - : 10 billion yen
- ✓ ROA: Over 15%
- ✓ ROS: Over 10%
- Investment
 - : About 10 billion yen/year

Forward-looking Statements

The forward-looking statements are based largely on information available as of the date hereof, and are subject to risks and uncertainties which may be beyond company control. Actual results could differ largely, due to numerous factors, including but not limited to the following: Group companies execute businesses in many different fields, such as petrochemicals, carbon and inorganic products, information and electronics, pharmaceuticals, polymers and processed products, and these business results are subjected to influences of world demands, exchange rates, price and procurement volume of crude oil and naphtha, trend of market price, speed in technology innovation, National Health Insurance price revision, product liabilities, lawsuits, laws and regulations.