Basic Chemicals 2011 First Half Results & Business Strategy

November 1, 2011

Kenichi Hatano Director & Senior Managing Executive Officer



Contents

- I. Overview of Business
 (1) Divisions and Major Products
 (2) Performance Trends
 (3) Long-term Vision
- II. Business Strategy

 (1) Inorganic Materials
 High-purity alumina, DPF, Others
 (2) Caprolactam
 (3) Methyl Methacrylate
 - (4) Others



Specialty Chemicals Division

Rubber chemicals, Polymer additives, Dyestuff, Polymer emulsions

(1) Divisions and Major Products

I. Overview of Business

Industrial Chemicals Division

Sulfuric acid, Nitric acid, Liquid ammonia, Caustic soda, Hydrochloric acid, Methanol, Formalin, Acrylonitrile, Caprolactam

Inorganic Materials Division

Alumina, Alumina hydroxide, High-purity alumina, Photocatalyst

Methacrylates Division

Methyl methacrylate monomer & polymer, Acrylic sheet, SUMILOOK edge-type LED light

Aluminum Division

Aluminum, High-purity aluminum









I. Overview of Business (3) Long-term Vision

Trends in Business Environment

- Globalization
- Environmental issues, alternative energy
- Slow-growth in developed countries and fast-growth in developing countries

Three-Year Corporate Business Plan

Reform business structure, strengthen

profitability, and build the foundation for future growth Three-Year Corporate Business Plan Rabigh Phase II DPF expansion Caprolactam and Full scale Build the foundation for nylon production Growth in future growth MMA monomer and global Enhance business polymer Reform business structure foundation Restructure caprolactam and Develop new electrogenesis businesses businesses



٠

I. Overview of Business (3) Long-term Vision

Growth Strategy for Basic Chemicals

Globalization: Focus on overseas markets

Enter new markets in developing countries (China, India, etc.) with high growth potential, Petro Rabigh phase II Project

Expand businesses with good prospects

- Expand environmental and energy related business
 - Inorganic Materials: Develop photovoltaic cell and DPF
 - Aluminum: Develop secondary battery related materials

Grow global leading businesses

Super high purity aluminum, High purity alumina

Leverage R&D to improve profitability and expand business

- Speed development and commercialization of new products
- Strengthen core business
 → MMA · Caprolactam: Develop new catalysts, improve productivity
- Secure cost competitive feedstock
 → Cyclohexane, MTBE, aluminum hydrate, aluminum

Enhance competitiveness

→ Enhance high value added business, improve profitability, transform culture







2-1 Example (a) Inner structure and (b) Outside about GaN: LED chipping

High-purity alumina 2

lithium-ion secondary battery material use

Features of coating alumina on battery materials:

- Improved safety when coated on anode and cathode
- Prevent heat shrinkage of polyethylene layer when coated on separator

Lithium-ion secondary batteries for automobiles:

- Heat resistant layer necessary for higher capacity
- Several battery makers have decided to use our high purity alumina



High-purity alumina 3 Plans for capacity expansion

2nd phase expansion:

- Annual production capacity in Ehime Works to expand from 1,600t to 3,200t
- Investment of ¥10 billion
- Under construction with a plan to start in 1st Half of FY2012, targeting use in LED sapphire substrates

3rd phase expansion:

Planed annual capacity of 1,600t
 Under study with a plan to start in April FY2013, targeting use in lithium-ion secondary batteries for automobiles





DPF 2 Diesel Particulate Filter (DPF)

Diesel Particulate Filter (DPF)

DPF filters out soot as small as tens of nanometers from the exhaust gas of diesel engines \rightarrow Regenerate by burning off soot





Forecast for global DPF market in FY2020 DPF 3

	Passenger vehicles		Commercial vehicles+ Construction machinery
	World	(EU)	World
Sales volume of vehicles with diesel engine	20mn	(12mn)	10mn
Percentage of vehicles equipped with DPF	80%	(100%)	30%
Sales volume of DPFs	16mn	(12mn)	9mn+ <i>5mn</i>

Sales Volume (Million units/year)





DPF 4 Commercialization schedule for our DPF business







Highly cost-competitive high performance DPF made through optimal process using proprietary aluminum titanate material

- 1. Use of internally produced alumina
- 2. Simple, optimized process
- 3. Production process that allows recycling of defective products
- 4. State of the art automatic inspection system



Other businesses

Alumina Products

- Feedstock already change to aluminum hydroxide (Stable production expected)
- Alliance under study

Photocatalyst

• Develop and find new applications for antibacterial and antiviral films



II. Business Strategy (2) Caprolactam

- Leverage high product quality to become one of the leading companies in the Asian market (Strengthen relationships and expand sales to major customers in Taiwan and China, and also maintain premium pricing)
- 2. Improve catalyst and production process (Extend life span of catalyst, streamline production process, improve productivity)
- 3. Reduce costs, enhance competitiveness (Procure low cost materials etc.)
- 4. Studying capacity expansion in Rabigh and other areas



II. Business Strategy (3) Methyl Methacrylate

- 1. Develop new production process for methyl methacrylate (MMA) monomer
- 2. Introduce new production process for MMA polymer in the 3rd phase expansion in Singapore
- 3. Significantly enhance R&D capabilities in Singapore
- 4. Studying capacity expansion in Rabigh and other areas



II. Business Strategy (4) Other Products

Other industrial chemicals

 Restructure electrolysis business and aniline business and develop new strategy in these businesses

Aluminum

- Develop high-value added product
- Focus on non-building-material market

Resorcinol

• Improve profitability by increasing sales price and achieve full operation of production plant with an annual capacity of 30 thousand tons

Rubber Chemicals

• Quickly launch new rubber additives for tires





Forward-Looking Statements

Statements made in this material with respect to Sumitomo Chemical's plans, projections, strategies, beliefs, and future performance that are not historical facts are forward-looking statements that are based on information available at the time of the preparation of this material and include risks and uncertainties. Factors that could materially affect actual results of Sumitomo Chemical's future performance include, but are not limited to, economic conditions in the areas of Sumitomo Chemical's business, demand for Sumitomo Chemical's products in markets, downward price pressure on Sumitomo Chemical's ability to continue to provide products that are accepted by customers in highly-competitive markets, and movements of currency exchange rates.