

# **1999** FINANCIAL REPORT



# **COMPANY PROFILE**

Established in 1941, Nippon Shokubai has continued to focus research and development efforts in four key areas: catalyst technology which is our most fundamental technology, polymer synthesis technology, environmental purification technology and organic synthesis technology. Our leading know-how and technology have helped us develop a host of innovative products that contribute to people, industry and society.

The company's mainstay basic chemicals such as acrylic acid, methacrylic acid and ethylene oxide, and fine and specialty chemicals such as super-absorbent polymers and higher-alcohol products, and polymers and resins are raw materials that are processed into a wide variety of vital everyday products, including textiles, detergents, paints, foods, pharmaceuticals, plastic products, electronic parts and paper diapers. Catalysts and environmental products made by Nippon Shokubai have received high praise from our customers. Our industrial catalysts are used not only in chemical production, but also to control environmental pollutants such as acid rain and dioxins in countries around the world.

In overseas countries, Nippon Shokubai's technology for manufacturing chemical products is as well-respected as our products. We export technologies for manufacturing acrylic acid, acrylic ester, methacrylic acid and methacrylic ester to countries all around the world, including Asia, Europe and the United States.

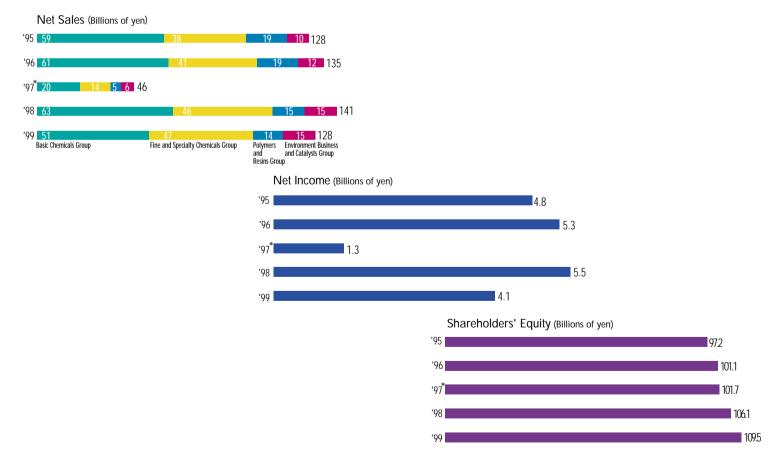
In recent years we have increased our focus on developing overseas businesses. These efforts have paid off in the establishment of production facilities in North America and Southeast Asia for the manufacture of acrylic acid and acrylic ester, and in Europe for the production of superabsorbent polymers.

Nippon Shokubai sees the 21st century as an era in which chemical technology will develop in closer harmony with the environment. Accordingly, in 1991 we adopted "TechnoAmenity" as our corporate philosophy. This concept, which will serve as our foundation for the new millennium, points us in a new business direction. We plan to allocate managerial resources more effectively, while working to strengthen our core businesses, promote new product development, and expand our environmental business.

Preservation of the global environment has become a critical concern. Standing firmly on our "TechnoAmenity" philosophy, Nippon Shokubai is committed to holding its position as one of the chemical industry leaders in environmentally sound activities, as we continue to promote a more comfortable and affluent society.

# Nippon Shokubai Co.,Ltd. Years ended March 31, 1999 and 1998 FINANCIAL HIGHLIGHTS

	Millions of yen		Thousands of U.S.dollars
-	1999	1998	1999
For the Year			
Net Sales	¥128,998	¥141,755	\$1,070,078
Operating Income	6,055	7,821	50,228
Income before Income Taxes	6,565	10,146	54,458
Net Income	4,115	5,546	34,135
At Year-End			
Total Assets	¥203,537	¥193,178	\$1,688,403
Total Shareholders' Equity	109,533	106,113	908,610
	Y	en	U.S.dollars
Per Share Amounts			
Net Income	¥ 20.90	¥ 28.17	\$ 0.17
Cash Dividends	7.00	7.00	0.06



\* The year 1997 covers only four months, from December 1, 1996, to March 31, 1997, since the company changed its fiscal year and accounting period at the 84th annual general meeting of shareholders.

# TO OUR SHAREHOLDERS

# **Outline of Business Performance**

In the latter half of the fiscal year, the prolonged economic recession that has gripped Japan has apparently bottomed out, as the government implemented measures to stimulate the economy and the Bank of Japan enacted new financial deregulation policies. Despite these efforts, however, consumer spending and investment in facilities remained sluggish throughout the fiscal year.

The chemical industry experienced poor sales due to low domestic demand and the continued economic stagnation in Southeast Asia. Business performance thus remained weak.

Product prices dropped, and so did our sales volumes. Total net sales amounted to 128,998 million yen, a decrease of 12,756 million yen (9.0 percent) from the previous term.

Ordinary profits totaled 6,870 million yen, down 2,276 million yen (24.9 percent) from the previous term. This decline was partially due to a decrease in revenues from receiving royalties and an increase in depreciation expenses. Net profits for the term were 4,115 million yen, down 1,431 million yen (25.8 percent) from the previous fiscal year.

# **Dividend Policy**

Nippon Shokubai considers shareholder dividends as a top corporate priority, and our policy is to ensure a pay-out of continuous, stable dividends to our shareholders. At the same time, the company must maintain its competitive edge and follow practices that promote sustainable growth, and this requires judicious investment in facilities and research and development. It is thus vital that we retain some of the profits within the company.

Based on the current business environment and the results in the fiscal year just ended, the company has decided to pay an annual dividend of ¥7.00 per share, including the ¥3.50 paid as an interim dividend, which is equivalent to a pay-out ratio of 33.5 percent.

The company plans to use its retained earnings for future projects to boost production capacity, improve operating efficiency, and engage in new research and development activities. In these efforts our aim will be to promote steady and continuous business growth in the years ahead.

# **Future Topics**

While Japan's overall economic slump seems to be improving, private-sector investment in facilities and the employment situation show no upward signs. In this unfavorable environment, we are focusing companywide efforts on strengthening our management foundation with the aim of maintaining stable, long-term growth.

By reinforcing our core businesses and allocating managerial resources more effectively, we intend to strengthen our specialty chemicals product line, bring new products to market, and reactivate our existing businesses. We will also focus on "Responsible Care" activities and improving our systems for obtaining ISO certification.

As for overseas activities, in November 1998 we began full-scale production of acrylic acid and acrylic ester at the P.T. Nisshoku Tripolyta Acrylindo plant in Indonesia. Marketing of these products has also begun. At the start of fiscal year 1999, our joint venture company, Singapore MMA Monomer Pte.Ltd. plant began production of methacrylic ester.

We are planning to construct a super-absorbent polymer plant in Europe, and in the United States our joint-venture company, American Acryl NA, LLC, is energetically making preparations to construct an acrylic acid production plant.

As the year 2000 approaches, the company is working to prevent any so-called Y2K computer problems. We have taken measures to make our own computers Y2K compliant, while also investigating the Y2K readiness of our clients' systems. In March 1999 we set up Computer System Year 2000 Readiness Committee to spearhead these efforts. The committee is preparing a crisis containment plan designed to minimize adverse business effects, should any Y2K problems occur.

We look forward to the continued support of our shareholders in the fiscal year ahead.



Kenji Aida

Kenji Aida President

From April 1, 1998, to March 31, 1999

# **REVIEW OF OPERATIONS**

The year 1997 covers only four months, from December 1, 1996, to March 31, 1997, since the company changed its fiscal year and accounting period at the 84th annual general meeting of shareholders.



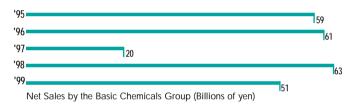
# **Basic Chemicals Group**

Demand for acrylic acid and acrylic ester for use in super-absorbent polymers remained strong, but exports to Asian countries of products for other uses in paints and adhesives dropped. This decline, coupled with falling prices, resulted in lower revenues. Sales of methacrylic acid and methacrylic ester also fell, due to lower market prices and sluggish demand for their use in resins and paints.

The international market price of ethylene glycol also plummeted, and revenues suffered accordingly. Sales of ethylene oxide and its derivatives also fell, due to low domestic and overseas demand for their use in surface-active agents and urethanes.

Domestic demand remained stagnant for phthalic anhydride for use in plasticizers, and the market price fell. Consequently, sales volumes and revenues declined. Sales of maleic anhydride for use in polymers and resins also failed to grow.

As a result, sales of the Basic Chemicals Group fell 18.7 percent from the previous term, to 51,908 million yen.





# 37% of Net Sales

# **Fine and Specialty Chemicals Group**

The end-user super-absorbent polymer market saw stiff competition, but demand increased on the world market. The result was an overall increase in sales volumes and revenues.

Exports of higher-alcohol products (product name: SOFTANOL<sup>™</sup>) for use as a raw material for detergents fell, and sales dipped accordingly. End-user demand for other raw materials used for detergents also remained low, but sales of new products increased. This resulted in higher overall revenues.

Regarding other fine chemicals, products used as concrete admixtures saw a steady upward trend in sales, but sales of raw materials for paints, resins and medical intermediates remained low.

Consequently, overall sales of the Fine and Specialty Chemicals Group increased 3.0 percent over the previous term, to 47,661 million yen.



Net Sales by the Fine and Specialty Chemicals Group (Billions of yen)



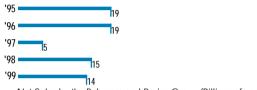


# **Polymers and Resins Group**

Sales of unsaturated polyester resins (product name: EPOLAC<sup>™</sup>) continued to fall, as housing investment and private-sector investment in facilities remained low. Coupled with a continued decline in market prices, this led to lower revenues.

Market prices of ultra weather-resistant paint resins and electrical insulating coating showed an upward trend. However, sales of other resins for paints and adhesives declined, due to a fall in their use for houses and automobiles.

As a result, overall sales of the Polymers and Resins Group dropped 10.1 percent from the previous year, to 14,158 million yen.



Net Sales by the Polymers and Resins Group (Billions of yen)



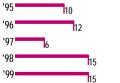


# **Environment Business and Catalysts Group**

Sales of industrial catalysts through technology licensing fell overall, because new demand was concentrated in the previous term. Sales of automotive catalysts grew, but sales of wet-air oxidation catalysts and processing systems (product name: NS-LC<sup>™</sup>) wastewater treatment systems) declined due to sluggish overseas demand. De-NOx catalysts suffered slow sales due to lower demand for their use in power-generating plants.

Dioxin decomposition catalysts and their related systems enjoyed higher sales, mainly for their use in municipal waste incineration facilities.

As a result, overall sales of the Environment Business and Catalysts Group fell 3.7 percent from the previous term, to 15,269 million yen.



Net Sales by the Environment Business and Catalysts Group (Billions of yen)

# **NEWS & TOPICS**

# **Strengthening Our Super-Absorbent Polymer Business**

**Nippon Shokubai Europe N.V. Established in Belgium** The company expects to see growing worldwide demand for super-absorbent polymers, which are used primarily in paper diapers and sanitary napkins.

On February 25, 1999, we took an important step to meet future demand by establishing Nippon Shokubai Europe N.V. in Belgium. The new company, a wholly owned subsidiary, will play a significant role in building an even stronger position for Nippon Shokubai in this core business area.

Nippon Shokubai Europe N.V. plans to construct a plant capable of manufacturing 30,000 tons of super-absorbent polymers per year. The plant, to be built in an industrial district in Antwerp, is scheduled to begin operation in autumn 2001.

**Production Capacity Increased in Both the United States and Japan** In December 1998, NA Industries, Inc., our wholly owned subsidiary in the United States, completed installation of a facility that boosts production capacity by 12,000 tons per year. Total annual production capacity in the United States is now 60,000 tons.

In March 1999 we completed expansion of a super-absorbent polymer production facility at our Himeji Plant. The new manufacturing unit allows the production of 40,000 tons per year. The higher production capacity will help



Mr.Van den Brande the minister-president, government of Flanders and Aida president



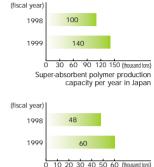
Super-absorbent polymers used in paper diapers



The super-absorbent polymer production facility at our Himeji Plant

us meet the growth in global demand we expect in the future, while also supporting the manufacture of new types of products. The company's annual domestic production capacity for super-absorbent polymers now totals 140,000 tons.

The increased production capacity in both Japan and the United States combines with our new production base in Europe to greatly strengthen our tri-polar (Japan-U.S.-Europe) superabsorbent polymer business. This solidifies Nippon Shokubai's position as the world's leading manufacturer of super-absorbent polymers and will allow us to provide a stable supply of products with advanced functions.



Production capacity per year in the United States

# Indonesian Acrylic Acid and Acrylic Ester Manufacturing Facility Begins Operation



The acrylic acid and acrylic ester manufacturing facility "P.T.NisshokuTripolyta Acrylindo"

In August 1998 P.T. Nisshoku Tripolyta Acrylindo, our joint-venture company in Indonesia, completed construction of a manufacturing line for acrylic acid and acrylic ester. Commercial operation began in November. The facility represents the fulfillment of a goal set when the joint-venture company was established.

Working in cooperation with our Himeji Plant, the center of our acrylic acid business, P.T. Nisshoku Tripolyta Acrylindo will help ensure a stable supply of high-quality products. The company is working to solidify its business foundation and places a high priority on employee safety.



	Milli	Thousands of U.S.dollars(Note 2)	
ASSETS	1999	ons of yen 1998	U.S.dollars(Note 2) 1999
Current Assets:	1777	1990	1777
Cash	¥ 2,055	¥ 1,684	\$ 17,046
Time deposits	± 2,055 21,519	± 1,084 15,364	178,506
Marketable securities	651	527	5,400
Notes and accounts receivable (Note 1):	001	527	5,400
Trade	26,685	32,480	221,360
Subsidiaries and affiliates	9,492	8,187	78,739
Allowance for doubtful accounts (Note 1).	(183)	(262)	(1,518)
	35,994	40,405	298,581
	33,994	40,405	290,001
Inventories (Notes 1 and 3)	22,606	23,541	187,523
Other current assets	5,058	4,272	41,957
Total current assets	87,886	85,796	729,041
			<u></u>
Investments and Other Assets:			
Investments in securities (Notes 1, 4 and 5).	16,456	15,357	136,507
Investments in and advances to		The last strategy of	
subsidiaries and affiliates (Notes 1 and 4)	15,048	13,916	124,827
Other	3,943	4,874	32,708
Allowance for doubtful accounts (Note 1)	(501)	(769)	(4,155)
Total investments and other assets	34,946	33,378	289,888
		I THAT AND	
Property, Plant and Equipment (Notes 1 and	5):		
Buildings and structures	45,871	43,363	380,514
Machinery and equipment	161,934	151,154	1,343,293
Accumulated depreciation	(161,537)	(151,108)	(1,340,000)
	46,268	43,410	383,807
			₩G. Chillions
Land	26,493	25,965	219,767
Construction in progress	7,943	4,627	65,889
Total property, plant and equipment	80,704	74,003	669,464
Total assets	¥203,537	¥193,178	\$1,688,403

See accompanying notes to non-consolidated financial statements.

	Milli	ons of yen	Thousands of U.S.dollars(Note 2)
LIABILITIES AND SHAREHOLDERS' EQUITY	1999	1998	1999
Current Liabilities:			
Short-term bank loans and current portion			
of long-term debt (Note 5)¥	21,202	¥ 13,127	\$ 175,877
Notes and accounts payable (Note 1):			
Trade	16,541	22,338	137,212
Construction	7,956	7,021	65,997
Subsidiaries and affiliates	4,772	6,657	39,585
	29,269	36,017	242,795
Accrued expenses	994	925	8,245
Accrued income taxes (Notes 1 and 6)	878	2,311	7,283
Other current liabilities	4,306	4,560	35,719
	56,651	56,942	469,937
	- NE	1. 电	
Long-Term Liabilities:			
Long-term debt (Notes 1 and 5)	27,576	19,448	228,751
Accrued severance indemnities (Notes 1 and 8)	9,611	10,504	79,726
Other long-term liabilities	164	168	1,360
Total long-term liabilities	37,352	30,121	309,846
Contingent Liabilities (Note 12)			
Contingent Liabilities (Note 12)			
Shareholders' Equity:			
Common stock, ¥50 par value:			
Authorized: 426,000,000 shares			
Issued and outstanding:			
1999-196,881,287 shares			
1998-196,881,287 shares	16,529	16,529	137,113
Additional paid-in capital	13,562	13,562	112,501
Legal reserve (Note 11)	3,542	3,393	29,381
Retained earnings (Note 1)	75,899	72,628	629,605
1 5	109,533	106,113	908,610
Total liabilities and shareholders' equity ¥	203,537	¥193,178	\$1,688,403

	Mil	Millions of yen		
	1999	1998	1999	
Net Sales	¥128,998	¥141,755	\$1,070,078	
Cost of Sales	96,772	109,020	802,754	
Gross Profit	32,226	32,735	267,324	
Selling, General and Administrative				
Expenses (Notes 1 and 9)	26,170	24,913	217,088	
Operating Income		7,821	50,228	
Other Income (Expenses):	1,042	881	8,643	
Interest and dividend income			8,043 (9,390)	
Interest expenses	(1,132) 1,279	(947) 2,227	10,609	
Royalty income Other, net	(680)	164	(5,640)	
	509	2,324	4,222	
			1/222	
Income before Income Taxes	6,565	10,146	54,458	
Income Taxes (Notes 1 and 6)	2,450	4,600	20,323	
Net Income	4,115	5,546	34,135	
Unappropriated Retained Earnings				
Carried Forward from the Previous Period	1,106	1,097	9,174	
Interim Cash Dividends Paid	689	689	5,715	
Transfer to Legal Reserve	68	68	564	
Unappropriated Retained Earnings Transferred				
from merged company	120		995	
Unappropriated Retained Earnings	V 4 504	V E 00/	¢ 00.005	
Carried Forward to the Next Period	¥ 4,584	¥ 5,886	\$ 38,025	
	Ŷ	'en	U.S.dollars (Note 2)	
Per Share (Note 7):	IF. The second		10 L20 18	
Net income	¥ 20.90	¥ 28.17	\$ 0.17	
	1 20.70			

See accompanying notes to non-consolidated financial statements.

# 1. Summary of Significant Accounting Policies

#### (1) Basis of presenting financial statements

The original non-consolidated financial statements of Nippon Shokubai Co., Ltd. (the' Company ') are prepared under the generally accepted accounting principles and practices in Japan and the Securities and Exchange Law of Japan. The financial statements mentioned in this financial report have been made for the readers outside Japan, rearranging the original non-consolidated financial statements.

Since amounts less than ¥1 million have been omitted, as permitted by the Securities and Exchange Law of Japan, total or subtotal amounts appearing in the accompanying non-consolidated financial statements and notes there to do not necessarily agree with the sum of the individual account balances.

#### (2) Valuation of securities and investments in and advances to subsidiaries and affiliates

Marketable and other non-marketable securities are stated at cost, as determined by the periodic-average cost method.

The Commercial Code of Japan requires such investments to be written down where there has been persistent decline in the value of investments. Where considered necessary, the Company has written down the value of such investments.

#### (3) Valuation of inventories

Inventories are stated at the lower of cost or market. The cost of inventories are determined by the last-in, first-out method.

#### (4) Depreciation and amortization

Property, plant and equipment is principally computed on the declining-balance method based on the estimated useful lives of assets stipulated by the Japanese Corporation Tax Law. However, a portion of machinery is computed based on useful lives estimated by the Company, equivalent to 75% of statutory useful lives.

Amortization of intangible assets and other assets is computed on the straight-line method over

the period stipulated by the Commercial Code of Japan or the Japanese Corporation Tax Law.

Significant renewals and additions of property, plant and equipment are capitalized at cost. Normal repairs and maintenance, including minor renewals and improvements, are charged to income as incurred.

#### (5) Foreign currency translation

All short-term monetary receivables and liabilities in foreign currency are translated into Japanese yen at appropriate year-end current rates.

All revenues and expenses arising from transactions in foreign currencies are translated into Japanese yen at the rates of exchange prevailing when such transactions are made.

Gains or losses resulting from the translations are credited or charged to income as incurred.

#### (6) Accrued severance indemnities

An employee whose employment is terminated is entitled, in most cases, to a lump-sum severance payment, the amount of which is determined by reference to the basic rate of pay, length of service and the conditions under which the termination occurs.

The Company is employing the Welfare Pension Plan to cover some portion of the lump-sum severance payment plan. The cost of the pension plan is determined actuarially, and the amortization of prior service costs is charged to income. These prior service costs are amortized over a period of seven years.

Accrued severance indemnities for employees are stated at amounts equivalent to 100% of that which would be required to be paid if all eligible employees covered by the plan mandatorially terminated their employment with the Company at the balance sheet date, less the estimated balances covered by the Welfare Pension Plan at the balance sheet date.

Retirement benefits to directors and corporate auditors are stated at an amount determined by the Company s bylaws at the end of the fiscal year.

(7) Accounting for allowances and reserves The Company has provided certain allowances and reserves, including allowance for doubtful accounts and a reserve for employee bonuses, and a reserve

#### Allowance for doubtful accounts

The Company has provided an amount equivalent to the limit stipulated in the Japanese Corporation Tax Law. In addition, regarding individual receivables, the Company has provided the amounts that are expected to be uncollectable.

#### Reserve for employee bonuses

At fiscal year-end, the Company provided estimated amounts equivalent to those applicable to the current fiscal year to cover employee bonuses to be paid in the next period.

#### Reserve for repairs

In order to equalize the burden of regular maintenance and repair expenses for large-scale manufacturing equipment over the operating period, the Company has provided the estimated amounts required on a monthly prorated basis.

This reserve is offset by expenses as incurred on completion of maintenance and repair.

#### (8) Income taxes

Income taxes provided on an accrual basis, but deferred income taxes pertaining to timing differences between financial and tax reporting are not recognized.

#### (9) Research and development expenses

Research and development expenses are charged to income as incurred and are included in selling, general and administrative expenses.

#### (10) Net income and dividends per share

Net income per share is based on the weighted average number of common shares outstanding during each fiscal year.

Cash dividends per common share represent the amounts applicable to the respective year, including dividends to be paid after the end of the fiscal year.

#### (11) Appropriation of retained earnings

Under the Commercial Code of Japan and the Articles of Incorporation of the Company, the appropriation of retained earnings, primarily for cash dividend payments, with respect to a fiscal year is made by resolution of the shareholders at a general meeting to be held within three months after the end of each fiscal year.

Therefore, such appropriation is not reflected in the respective financial statements.

#### 2. U.S.Dollar Amounts

Amounts shown in U.S.dollars are included solely for convenience and are not intended to imply that yen amounts have been or could be readily converted into, realized in or settled in dollars.

The rate of ¥120.55 to US\$1, being the approximate exchange rate on March 31, 1999, has been used.

#### 3. Inventories

Inventories on March 31, 1999 and 1998, were as follows:

	Millio	Millions of yen	
	1999	1998	1999
Merchandise and	1000	131	a period
finished products	¥ 9,200	¥ 9,753	\$ 76,316
Raw materials	7,407	5,473	61,443
Work in process	4,687	6,689	38,880
Supplies	1,311	1,624	10,875
	¥22,606	¥23,541	\$187,523

#### 4. Investments in Securities and Investments in and Advances to Subsidiaries and Affiliates

Investments in securities and advances held by the Company at March 31, 1999 and 1998, consisted of the following:

, Vill ("ge nig#=	Million	s of yen	Thousands of U.S.dollars
	1999	1998	1999
Investments in securities:			
Corporate shares	¥16,335	¥15,197	\$135,503
Bonds and debentures	104	129	862
Investments in			
portfolios and others	17	30	141
	¥16,456	¥15,357	\$136,507
Investments in and	_	The second	a destant darage
advances to subsidiarie	es		
and affiliates:			
Non-listed corporate			
shares	¥12,726	¥11,333	\$105,566
Investments in			
contributions	1,162	1,093	9,639
Long-term loans	1,160	1,490	9,622
	¥15,048	¥13,916	\$124,827

# 5. Short-Term Bank Loans and Long-Term Debt

Short-term bank loans are unsecured and based on an overdraft contract, bearing interest at 1.338% per annum, as of March 31, 1998 and 0.994% per annum, as of March 31, 1999.

At March 31, 1999 and 1998, long-term debt consisted of the following:

sall and the second second	Million	s of yen	Thousands of U.S.dollars
	1999	1998	1999
Loans from banks,			
insurance companies			
and others due from			
1999 to 2008 with			
interest ranging from			
1.07% to 5.15%	¥18,307	¥11,959	\$151,862
5.9% unsecured			
debentures due 1999	6,000	6,000	49,771
5.7% unsecured			
debentures due 1999	4,000	4,000	33,181
1.425% unsecured			
debentures due 2002	5,000	_	41,476
1.85% unsecured			
debentures due 2004.	5,000		41,476
	£38,307	¥21,959	\$317,768
Loss portion due within			
Less-portion due within	10 721	2 5 1 1	00.017
one year		2,511	89,017
	¥Z7,370	¥19,448	\$228,751

The aggregate annual maturities of long-term debt are as follows:

Year ending March 31	Millions of yen	Thousands of U.S.dollars
2000	¥ 731	\$ 6,063
2001	3,427	28,428
2002	3,804	31,555
2003 and thereafter	10,344	85,806

The assets pledged as collateral for long-term debt at March 31, 1999, were as follows:

THE REPORT	Millions of yen	Thousands of U.S.dollars
Land	¥ 451	\$ 3,741
Investments in securities	8,201	68,029

# 6. Income Taxes

Income taxes applicable to the Company comprise a corporation tax, inhabitants' taxes and an enterprise tax, which in the aggregate produced a normal tax rate of approximately 48% in 1999 and 51% in 1998. The effective tax rates on the statements of income differ from the normal tax rates primarily because of the effect of timing differences in the recognition of certain income and expenses for tax and financial reporting purposes, the effect of permanent non-deductible expenses, the lower tax rate applied to the portion of income distributed as dividends and tax credit for research and development expenses.

### 7. Net Income per Share

The computation of net income per share is based on the weighted average number of shares of common stock during the respective fiscal year.

#### 8. Accrued Severance Indemnities

The charges to income for severance indemnities for the years ended March 31, 1999 and 1998, were as follows:

Millio	ns of yen	Thousands of U.S.dollars
1999	1998	1999
¥606	¥864	\$5,026

The assets of the Welfare Pension Plan at March 31, 1999, were ¥9,702 million (US\$80,481 thousand).

### 9. Research and Development Expenses

Research and development expenses incurred and charged to income for the years ended March 31, 1999 and 1998, were as follows:

Millic	ons of yen	Thousands of U.S.dollars
1999	1998	1999
¥9,544	¥9,214	\$79,170

#### **10.** Transactions with Subsidiaries

Transactions with subsidiaries for the years ended March 31, 1999 and 1998, were as follows:

a, man a chi	Million	s of yen	Thousands of U.S.dollars
and the statement	1999	1998	1999
Net sales	¥17,476	¥15,604	\$144,968
Purchases	21,778	27,519	180,655
Transactions			
other than operating			
transactions	2,652	2,367	21,999

# **11. Legal Reserve**

The Commercial Code of Japan provides that an amount equivalent to at least 10% of appropriations paid in cash be appropriated as a legal reserve until such reserve equals 25% of the stated amount of common stock. This reserve is not available for the payment of dividends, but it may be used to reduce or eliminate a deficit by resolution of the shareholders or may be capitalized by resolution of the Board of Directors.

### **12. Contingent Liabilities**

At March 31, 1999, the Company had the following contingent liabilities:

	Millions of yen	Thousands of U.S.dollars
As guarantor for indebtedness		
of subsidiaries and affiliates	¥11,408	\$94,632
As guarantor for housing loans		
of employees	71	588
	¥11,479	\$95,221

# **13. Subsequent Event**

On June 25, 1999, at the general meeting of shareholders, the following appropriations of retained earnings were approved:

Balance at beginning of the year	Millions of yen ¥4,584	Thousands of U.S.dollars \$38,025
Add:		
Reversal of voluntary reserve	32	265
Appropriations		
Appropriations: Cash dividends		
(¥3.5-US\$0.029 per share)	689	5,715
Transfer to legal reserve Bonuses to directors and	80	663
statutory auditors	77	638
Transfer to general reserve	2,568	21,302
Carried forward to the next period	¥1,202	\$ 9.970
to the next period	Ŧ1,202	φ 7,910

		TI 1. (	
	Mill	ions of yen	Thousands of U.S.dollars(Note 2)
ASSETS	1999	1998	1999
Current Assets:			
Cash¥	4,061	¥ 4,410	\$ 33,687
Time deposits	23,256	16,646	192,915
Marketable securities	738	629	6,121
Notes and accounts receivable (Note1):			
Trade	36,215	41,547	300,414
Unconsolidated subsidiaries and affiliates	6,996	5,807	58,034
Allowance for doubtful accounts	(334)	(399)	(2,770)
	42,877	46,955	355,678
	42,077	40,700	333,070
Inventories (Note 3)	27,638	28,279	229,265
Other current assets	5,045	3,964	41,849
Total current assets		100,886	859,543
	1007010		
Investments and Other Assets:			
Investments in securities	16,607	14,892	137,760
Investments in and advances to		tel del manane	1. 77-2111年10月
unconsolidated subsidiaries and affiliates	12,261	11,728	101,708
Other	6,993	7,819	58,009
Allowance for doubtful accounts	(2,290)	(2,379)	(18,996)
Total investments and other assets	33,572	32,061	278,490
Sufficient Theorem Theorem Theorem			CONTRACTOR OF
Property, Plant and Equipment:			
Buildings and structures	55,960	53,913	464,205
	186,033	174,732	1,543,201
Accumulated depreciation	185,500)	(175,641)	(1,538,780)
	56,493	53,004	468,627
Land	26,990	26,460	223,890
Construction in progress	10,070	6,540	83,533
Total property, plant and equipment	93,555	86,005	776,068
Foreign Currency Translation Adjustments	335		2,778
Total assets¥	231,081	¥218,953	\$1,916,889

See accompanying notes to consolidated financial statements.

	Millio	Thousands of U.S.dollars(Note 2)	
LIABILITIES AND SHAREHOLDERS' EQUITY	1999	1998	1999
Current Liabilities:	and loss		( Statistics)
Short-term bank loans and current portion			
of long-term debt¥	27,395	¥ 18,939	\$ 227,250
Notes and accounts payable (Note 1): Trade	25,557	31,433	212,003
Construction	8,473	7,541	70,286
Unconsolidated subsidiaries and affiliates	1,978	2,128	16,408
지 않은 것은 지시 않는 것을 바람을 했다.	36,009	41,103	298,704
Accrued income taxes	1,313	2,982	10,891
Other current liabilities	6,788	7,035	56,308
Total current liabilities	71,508	70,060	593,181
Long-Term Liabilities:			
Long-term debt	32,189	23,463	267,017
Accrued severance indemnities (Note 4)	10,876	11,762	90,219
Other long-term liabilities	183	177	1,518
Total long-term liabilities	43,250	35,403	358,772
Foreign Currency Translation Adjustments		247	
Minority Interests	1,665	1,568	13,811
Shareholders' Equity:			
Common stock, ¥50 par value:			
Authorized: 426,000,000 shares			
Issued and outstanding:			
1999-196,881,287 shares 1998-196,881,287 shares	16,529	16,529	137,113
Additional paid-in capital	13,562	13,562	112,501
Consolidated Retained Earnings	84,569	81,582	701,526
Less common stock in treasury, at cost	(2)	(0)	(24)
Total shareholders' equity	114,658	111,673	951,124
Total liabilities, Minority Interests	原い三、用し		
and shareholders' equity	<u>4231,081</u>	¥218,953	<u>\$1,916,889</u>

	Millions of yen				Thousands of J.S.dollars(Note 2)	
	1	999	1	998	=	1999
Net Sales	¥160	,190	¥17	1,805	\$1	,328,826
Cost of Sales		,613		0,450	1	,000,522
Gross Profit	39	,577	4	1,354		328,303
Selling, General and Administrative						
Expenses	-	,671		0,251		254,425
Operating Income	8	,906	1	1,103		73,878
Other Income (Expenses):						
Interest and dividend income		766		757		6,354
Interest expenses	(1	,361)	•	1,114)		(11,289)
Royalty income Equity in Earnings of Unconsolidated		955		1,851		7,922
Subsidiaries and Affiliates		142		122		1,177
Amortization of Consolidation						2 - BUU - S
Adjustments	10. AU	97	- VI	1		804
Other, net	(1	,580)	(	2,297)		(13,106)
	-	(980)		(678)		(8,129)
Income before Income Taxes and Minority						
Interests		,925		0,425		65,740
Income Taxes		,155		5,732	-	26,171
Income before Minority Interests		,770	HE	4,692 533		39,568
Minority Interests	I the second	<u>(319)</u>		533	-	(2,646)
Net Income	¥ 4	,450	¥	5,226	\$	36,914
				11-	-	U.S.dollars (Note 2)
Des Chans		Ye	21 2	1 1-12.		(Note 2)
Per Share: Net income Cash dividends applicable to the period		2.61 7.00	¥	26.54 7.00	\$	0.19
			-			

See accompanying notes to consolidated financial statements.

Reclassification:

Certain reclassifications of previously reported amounts have been made to conform with current classifications.

# NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

### 1. Summary of Significant Accounting Policies

The accompanying consolidated financial statements are prepared on the basis of the same accounting policies as mentioned in Note 1 of the notes to nonconsolidated financial statements except for the following principles:

#### (1) Principles of consolidation and accounting for investments in unconsolidated subsidiaries and affiliates

The consolidated financial statements include the accounts of Nippon Shokubai Co., Ltd. (the' Company ') and its eight significant subsidiaries. All significant intercompany balances and transactions have been eliminated on consolidation.

The accounts of the 15 other subsidiaries are not consolidated with the Company. The total assets, net sales, net income and retained earnings of the unconsolidated subsidiaries, in the aggregate, are so small as to have an insignificant effect on the Company's consolidated accounts.

Two unconsolidated subsidiaries and four affiliated companies are accounted for by the equity method.

From this fiscal year, American Acryle L.P., established by NA Industries, Inc. and other in December 1997, is added as an affiliated company and accounted for by the equity method.

Consolidated net income includes the Company's equity in the current net income of such companies, after elimination of unrealized intercompany profits.

13 subsidiaries and 8 affiliated companies (20% to 50% owned) are not accounted for by the equity method as the effects of these companies on the Company's consolidated net income and retained earnings are immaterial.

Investments in unconsolidated subsidiaries and in the affiliated companies which are not accounted for on an equity method are carried at cost or less. Where there has been a persistent decline in the value of such investments, the Company has written down its investments.

The difference between the cost and underlying net equity of investments in consolidated and other companies accounted for by the equity method is charged or credited to income in the year of acquisition.

#### (2) Balance sheet date

The balance sheet date of all consolidated subsidiaries is the same as the Company's, except NA Industries, Inc., American Acryl NA LLC, and American Acryl L.P., which have a balance sheet of December 31.

The Companies have made consolidation

adjustments for significant transactions between itself and them, incurred up to and including the consolidation date of March 31.

#### (3) Foreign currency translation of consolidated foreign subsidiaries

Translation into Japanese yen of the financial statements of the consolidated foreign subsidiaries were made in accordance with the "Accounting Standards for Transactions Denominated in Foreign Currencies ", reported in June 1979, revised in May 1995 by Japan s Financial Accounting Deliberation Council.

Translation differences are shown as "Foreign Currency Translation Adjustments "in the accompanying consolidated financial statements.

#### (4) Tax-effect accounting

Tax-effect accounting pertaining to timing differences on corporation taxes is not applied.

### 2. U.S.Dollar Amounts

The same method of translating yen amounts as described in Note 2 of the notes to non-consolidated financial statements has been used.

#### 3. Inventories

Inventories on March 31, 1999 and 1998, were as follows:

The latter to the second second	Million	ns of yen	Thousands of U.S. dollars	
E TO COMPANY	1999	1998	1999	
Merchandise and	-			
finished products ¥	12,916	¥13,188	\$107,142	
Raw materials	5,207	6,090	43,193	
Work in process	7,973	7,178	66,138	
Supplies	1,541	1,821	12,783	
¥	27,638	¥28,279	\$229,265	

# 4. Accrued Severance Indemnities

The Company has a Welfare Pension Plan, and four of its consolidated subsidiaries have a qualified pension plan. The prior service costs for the Welfare Pension Plan and the qualified pension plan are amortized over a period of seven years and five to ten years, respectively. The assets of the pension plans amounted to ¥11,432 million (US\$94,832 thousand) at March 31, 1999.

### 5. Subsequent Event

See Note 13 of the notes to non-consolidated financial statements.

#### NIPPON SHOKUBAI CO., LTD. Incorporated

August 21, 1941 **Common Stock** 

Authorized: 426,000,000 shares Issued: 196,881,287 shares

Capital

¥16,529,413,238 Number of Employees 2,258

**Stock Listings** 

First Section, Tokyo Stock Exchange First Section, Osaka Securities Exchange First Section, Nagoya Stock Exchange

**Transfer Agent** 

The Toyo Trust & Banking Co., Ltd. 1-4-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, Japan (as of March 31, 1999) **Board of Directors** President

Kenji Aida **Executive Vice Presidents** Takahisa Sato Tadashi Kimura Senior Managing Director Kiyoshi Nakagawa **Managing Directors** Tetsuji Ono Kinya Hasegawa Yasumasa Oba Yoshinori Sano Takeo Munehiro Tatsuo Konishi Hiroshi Yanagida

#### Directors

Hisayoshi Jono Kazunosuke Nagai Takahiro Toyohama Keizo Maruyama Tsumoru Yamada Yutaka Morimoto Yuji Noma Norimitsu Konno **Corporate Auditors** Masaru Abe Keishi Oyama Setsuya Kitabatake Kazuaki Hata (as of June 25, 1999)

# **Consolidated Subsidiaries**

Name	Paid-in Capital (millions of yen, unless otherwise stated)		Principal Business	President	
Nippoh Chemicals Co., Ltd.*	¥ 517	67.9	Manufacture and sale of iodine, iodic compounds, and natural gas	Tsuneo Tsubakimoto	
Nippon Polyester Co., Ltd.*	400	96.7	Manufacture and sale of synthetic resins and related additives	Takahiro Ito	
Daiko Kaiun Co., Ltd.*	100	64.9	Transport	Katsunobu Kaneko	
NA Industries, Inc.*	US\$1,025	100.0	Manufacture and sale of superabsorbent polymers Technical liaison and business development	Yuji Noma	
Tokyo Fine Chemical Co., Ltd.*	¥ 80	66.2	Manufacture and sale of stabilizer of vinyl chloride resin and anti-freeze	Masatoshi Tsuchino	
Chugoku Kako Co., Ltd.*	75	74.3	Manufacture and sale of synthetic resins and heat insulator	Noboru Shimizu	
ICT Co., Ltd.*	60	50.0	Sale of automobile exhaust catalyst	Kazuo Koshida	
Nisshoku Kosan Co., Ltd.*	32	100.0	Management of golf driving range and non-life insurance agent	Goro Kijima	
Name	Paid-in Capital (millions of yen, unless otherwise stated)	Equity Ownership(%)	Principal Business	President	
Nihon Jyoryu Kogyo Co., Ltd.	¥ 90	46.6	Manufacture and sale of anthraquinone, carbazole, and their derivatives	Kensuke Kumazawa	
Nishinippon FRP Shipbuilding Co., Ltd.	30	100.0	Manufacture and sale of FRP ship and finished products	Terumitsu Mimura	
Nippon Polymer Ind. Co., Ltd.	100	50.0	Manufacture and sale of acrylic emulsions	Yoshio Yasuda	
the second se	40	45.0	Manufacture and sale of insulating varnish and enamel	Kenji Aida	

<sup>\*</sup>Included in consolidation Nisshoku Aro Chemicals Co., Ltd. was merged into Nippon Shokubai Co., Ltd. on April 1,1998. American Acryl NA LLC, and American Acryl L.P., are consolidated into NA Industries, Inc. by the equity method.

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Fukuoka Sales Office Hakata Bldg. 8-36 Chuogai Hakataeki, Hakata-ku Fukuoka 812-0012, Japan

# **PLANTS**

### Suita Plant

5-8 Nishi Otabi-cho, Suita Osaka 564-0034, Japan

#### Kawasaki Chidori Plant

14-1 Chidori-cho, Kawasaki-ku Kawasaki, Kanagawa 210-0865, Japan

Kawasaki Ukishima Plant 10-12 Ukishima-cho, Kawasaki-ku Kawasaki, Kanagawa 210-0862, Japan

#### Himeji Plant

992-1 Aza Nishioki Okihama, Aboshi-ku Himeji, Hyogo 671-1241, Japan

# LABORATORIES

Materials & Functions Research Laboratory 5-8 Nishi Otabi-cho, Suita Osaka 564-0034, Japan

Tsukuba Research Laboratory

1-25-12 Kannondai, Tsukuba Ibaraki 305-0856, Japan

Polymer Research Laboratory 5-8 Nishi Otabi-cho, Suita

Osaka 564-0034, Japan

Process Development Laboratory 992-1 Aza Nishioki Okihama, Aboshi-ku

Himeji, Hyogo 671-1241, Japan

Catalyst Research Laboratory 992-1 Aza Nishioki Okihama, Aboshi-ku

Himeji, Hyogo 671-1241, Japan Resins Research Laboratory

5-8 Nishi Otabi-cho, Suita Osaka 564-0034, Japan

Specialty Polymers Research Laboratory 5-8 Nishi Otabi-cho, Suita Osaka 564-0034, Japan

### **OVERSEAS COMPANIES**

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60325 Frankfurt am Main, Germany

NIPPON SHOKUBAI (ASIA)PTE LTD 138 Cecil Street, #05-04

Cecil Court Singapore 069538

ULTRASORB Chemikalien GmbH Niedenau 61-63 60325 Frankfurt am Main, Germany

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