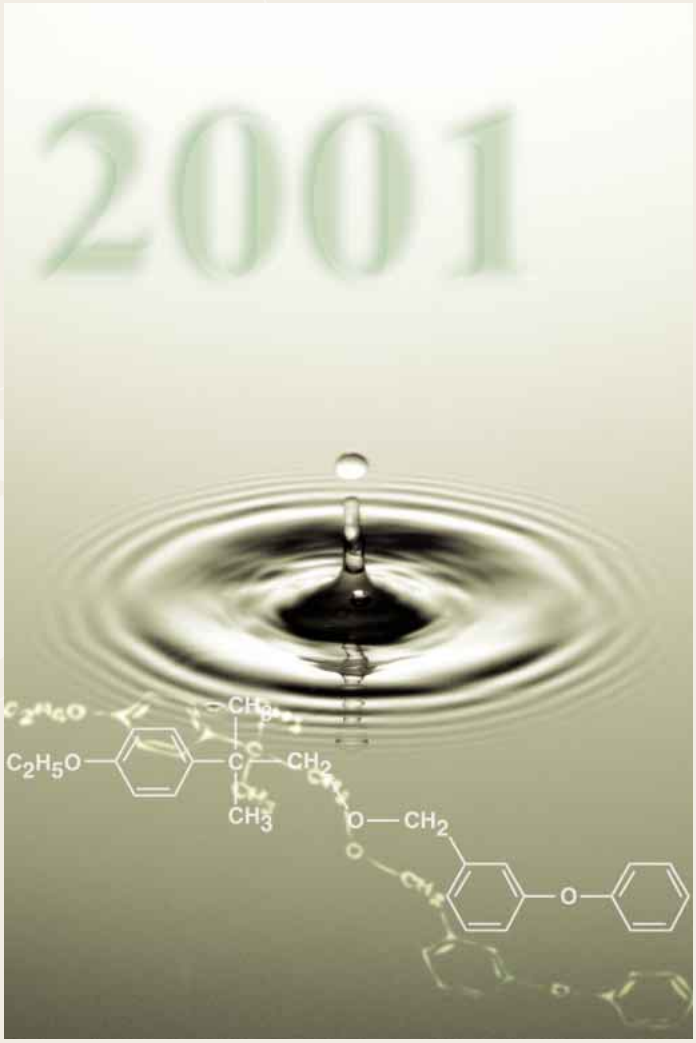
Responsible Care Report

Our Commitment to the Environment, Occupational Health, Safety and Quality



MITSUI CHEMICALS, INC.

Mitsui Chemicals, Inc. (Mitsui Chemicals) provides products and services such as basic and functional materials as a next generation oriented diversify chemical company. Our company has a commitment to sustainable development and operates according to the spirit of Responsible Care (RC) when engaged in all of its business activities.

President
Hiroyuki Nakanishi

Message from the President

The twenty first century has been declared the "Century for the environment". In recent history, many countries have made a commitment to environmental preservation, but it can be said that we have entered a new era when nations and corporations must be ready to address global environmental problems more comprehensively with a view to the future.

Mitsui Chemicals is committed to "Securing the environment, safety and quality". This position is one of the fundamental strategies of the medium-term corporate plans covering the three years from fiscal 1998 to fiscal 2000.

As a result of this commitment, Mitsui Chemicals is confident of contributing to the success of environmental preservation, resource conservation, energy saving and reduction of waste.

We have been addressing the need for a thorough understanding of a variety of environmental preservation activities, safety and quality management procedures guided by the concept of Responsible Care. We strongly believe that "securing of the environment, safety and quality" should be a fundamental and ongoing strategy for in the medium-term corporate plans, which begin in the year 2001. This emphasis on Responsible Care was highlighted through our acquisition of the international certification of ISO14001, ISO9000s and OHSAS18001. We have further been promoting the development of products and processes which give special consideration to the environment by nurturing appropriate forms of technological development. For example, we have addressed the construction of systems which are founded on the concept "Eco-Efficiency" which was examined during the previous year as a management indicator of product development and environmental preservation activities.

Mitsui Chemicals will exercise social responsibility in preserving the global environment, and has a desire to contribute to a recycling-oriented society leading to sustainable development.

"Mitsui Chemicals is pursuing its business activities based on a strong commitment to contributing broadly to society by providing high-quality products and services to customers through innovations and the creation of new materials and products while keeping in harmony with the global environment."

Mitsui Chemicals is actively seeking to engage in a deep and meaningful dialogue with a variety of individuals in order to realize this corporate mission.

We appreciate your understanding, support and valued opinions in this area of development.

October 2001

H. Nakanishi

Responsible

Mits

This RC report's

Scope:
Mitsui Chemicals itself and subsidiaries and affiliates within the premises of its works

Period:
Fiscal 2000: From April 2000 to March 2001
(Some sections cover the period up to September 2001)

Further information:

Mitsui Chemicals, Inc.
Corporate Communications Division

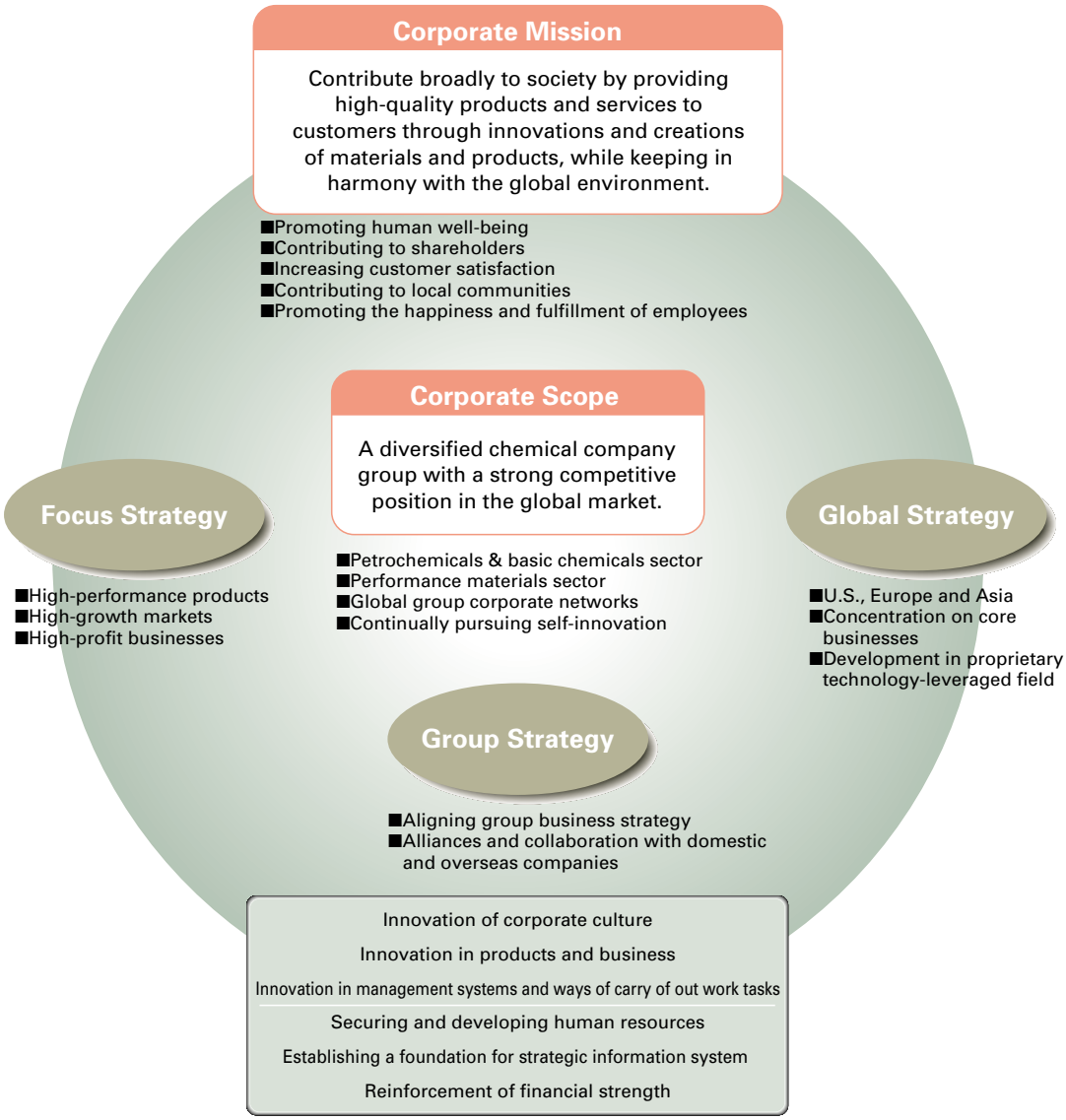
Care of
sui Chemicals

What is Responsible Care (RC)

RC encompasses all those activities that manufacturers of chemical substances implement or involve themselves with in, in order to act responsibly towards the environment. These activities include; improvements and measures taken in order to preserve the environment and the health of the general public, to prevent damage to facilities, to protect the health of all persons involved in manufacturing of chemical substances and to ensure the health and safety of customers and consumers. These activities operate within the principle of individual responsibility, and take place with regards to all stages of a chemical substance's life cycle.

Responsible Care®

Corporate Vision



Summary

■Company Name
Mitsui Chemicals, Inc.

■Founded
October 1, 1997

■Head Office
2-5, Kasumigaseki 3-chome, Chiyoda-ku,
Tokyo 100-6070, JAPAN
TEL:+81-3-3592-4060
(Corporate Communications Division)
FAX: +81-3-3592-4211

■Paid-in Capital
¥103,226 million

■Business Groups
Petrochemicals
(Petrochemical feedstocks, Polyethylene, Polypropylene)
Basic Chemicals
(Fiber Intermediates, PET Resin, Phenols, Industrial Chemicals)
Functional Polymeric Materials
(Elastomers, Performance Polymers, Specialty Resins, Urethane)
Functional Chemicals & Engineered Materials
(Fabricated Polymer Products, Electronics & Information Materials, Agrochemicals, Fine Chemicals)

■Employees (As of March 31, 2000)
Consolidated: 12,844
Non-consolidated: 5,386

■Domestic Manufacturing Sites
Five Works
(Ichihara, Nagoya, Osaka, Iwakuni-Ohtake, Omuta)

■Domestic Sales Offices
Head office, three branches (Nagoya, Osaka, Fukuoka)

■Number of Shares
789,156,353

Basic Policy regarding the Environment, Safety, Occupational Health and Quality

Mitsui Chemicals has been developing business activities based upon a corporate mission stating that "Contribute broadly to society by providing high-quality products and services to customers through innovations and creations of materials and products, while keeping in harmony with the global environment."
We are carrying out our business and manufacturing activities within the spirit of RC, based on the recognition that securing environmental integrity and safety is the very foundation of corporate management.
We implement this basic policy in relation to "environment", "safety" (disaster prevention, product safety), "occupational health" and "quality."

1.Environment

(1) Contribute to environmental preservation by developing new products and technologies.
(2) Assess and reduce the environmental load of products through their entire life cycle from product research and development to final disposal.

2.Occupational Health and Safety

(1) Give priority to securing safety and aim for accident and injury-free operations.
(2) Promote the formation of an appropriate work environment and support a proactive health program for employees.
(3) Implement safety measures and procedures in handling chemical substances to prevent injury or harm to people connected with our activities, such as employees and others related to works and distribution.

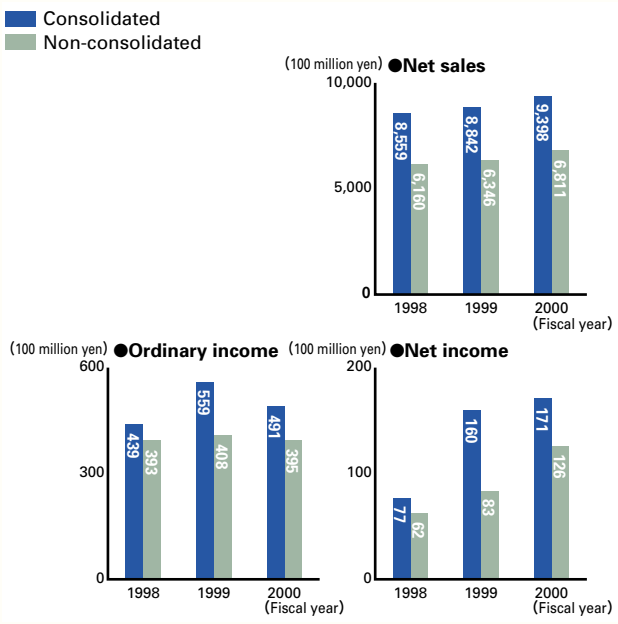
3.Quality

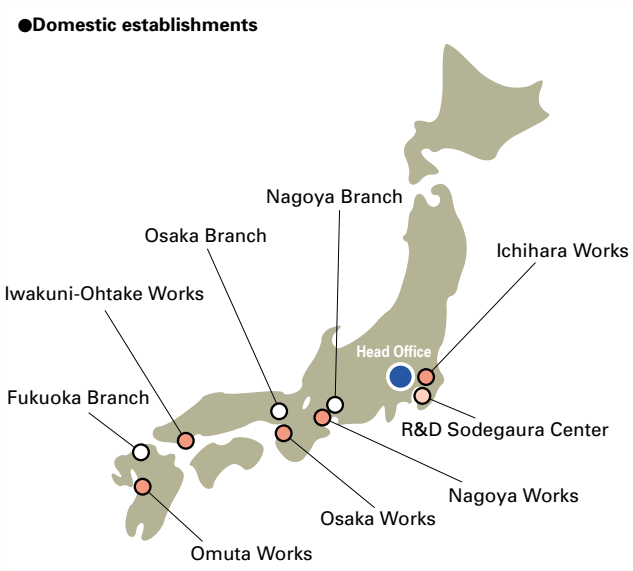
Supply high-quality products and services that earn the trust and satisfaction of customers so that customers feel confident when using products for their intended applications.

4.Promotion of Self-Management

Strive for continuing improvements in the environment, occupational health, safety and quality, beginning with compliance with all applicable laws and regulations based on voluntary adherence to the principles of RC.

Established on October 1, 1997
Revised on July 1, 2000





Topics in Fiscal 2000

Establishing an Environmental Management System

Mitsui Chemicals is working towards ISO14001 certification in order to reinforce its RC activities and to give transparency to its environmental management activities. In March 2001, Ichihara Works gained this accreditation.

The scope of the certification will cover the followings;

- •Du Pont-Mitsui Fluorochemicals Co., Ltd. Chiba Manufacturing Dept.
- •Grand Polymer Co., Ltd. Ichihara Works
- •Mitsui Chemicals Engineering Co., Ltd. Ichihara Office
- •Mitsui Chemicals Analysis & Consulting Service, Inc. Ichihara Analysis Dept.

We aim to secure certification of all Works by the end of fiscal 2002.

Ichihara Works

Development of LACEA® (Biodegradable plastics)

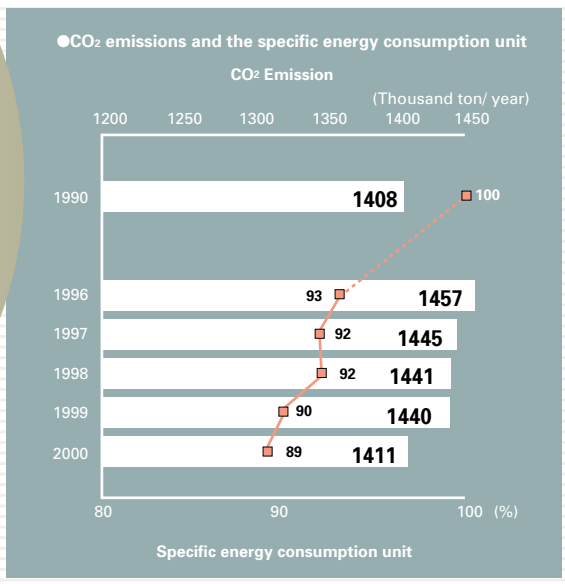
Mitsui Chemicals has developed biodegradable plastics (GreenPla) with polylactic acid "LACEA®", which is one of the most promising solutions of the plastic disposal problem. LACEA® is a plastic "born from nature, and returned to nature", which is a polymerization product of lastic acid derived from plant resources and, after use, degrade through the action of micro-organisms. We have already obtained the GreenPla certification in Japan, and have passed the criteria for compostable materials in Germany. Under the business collaboration agreement with Cargill Dow LLC, we will promote full-scale market development in Japan.

Contact:
LACEA® Business Development Unit
TEL: +81-3-3592-4479

Reduction of CO_2 Emissions

Achieved a 90% reduction in comparison with 1990s levels

The chemical industry has set target itself of reducing the specific energy consumption to 90% compared with 1990 level by 2010. Mitsui Chemicals has promoted energy conservation by improving processes and through the introduction of cogeneration. As a result, the specific energy consumption unit has already achieved a 10% reduction in level in comparison with 1990. Thus, the industry target for CO_2 emission has already been almost achieved.



Development of a Catalyst to Decompose DXNs

Because dioxin (DXNs) discharged from waste incinerators has posed a societal problem, regulations regarding waste incineration were set up. The rules will be actively enforced from the year 2002. Mitsui Chemicals has developed a catalyst that facilitates the decomposition of DXNs and leads to pollution-free exhaust gas.

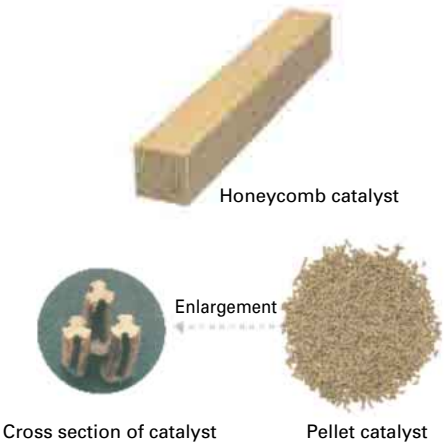
At this time, the newly developed catalyst has not only a high removal capability but it is also expected to have high durability and a long service life. The catalyst has the following features.

(1)DXNs removal is possible with over 99% efficiency.

(2)The removal of decomposed material at extremely low concentrations of no more than 0.01ngTEQ/Nm^3 is possible.

(3)It shows a high decomposition activity even at low temperatures under 200°C. It is also simple to install into compact incinerators.

Contact : Fine Chemicals Division
TEL : +81-3-3592-4459



LACEA®

Detection of DXNs in the Omuta River

In August 2000, Fukuoka prefecture published the DXNs analysis results for the Ariakekai sea area and the main rivers in the prefecture. According to the report, water quality in the Omuta River, which is in the vicinity of the Omuta Works, exceeds the environmental quality standards to a high degree. It seems that this is caused by oil which is exuded from the joint of river bed concrete.

Mitsui Chemicals has been implementing all necessary measures while strictly adhering to the following directives: "Do not discharge DXNs from the Works" "Ensure that DXNs are controlled within the Works by exercising special diligence"

As an example, Omuta Works strengthened waste-water treatment facilities in order to reduce DXNs concentration to a level which surpasses the regulatory environmental quality standards, although the plant's waste-water had already met national effluent standards. The target, environmental quality standards, was to attain a DXN concentration of under one tenth of national effluent standards.

The regulatory authorities carried out a compliance inspection with the result being that "the authority did not find any evidence that DXNs were being emitted from the Works".

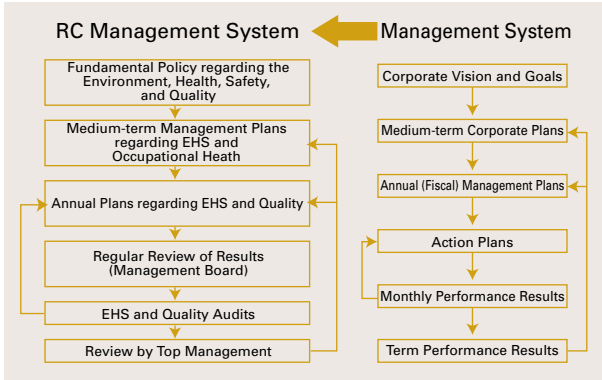
The counter measure committee has been focusing on identifying causes and suggesting appropriate measures. Mitsui Chemicals has been cooperating with the investigation.

RC Management Systems

Mitsui Chemicals has been implementing RC initiatives with efforts in order to achieve harmony with the global environment, as stated in our corporate mission. We have been making every effort to secure environmental preservation, safety of facilities, health and safety of employees and products safety by reducing and managing risks. Furthermore, we have committed Mitsui Chemicals to the principles of Environment Accounting and Eco-Efficiency.

Basic Way of Thinking

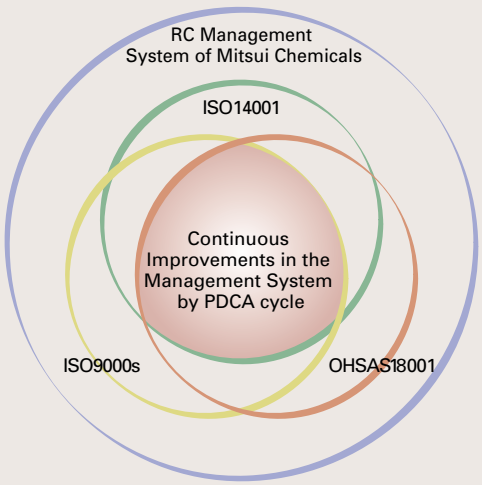
Mitsui Chemicals is operating a strong management system. We recognize RC as an integral part of business management, and have been developing business activities based upon our Corporate mission.
An integral part of the management system links environmental preservation and safety with business management.



RC Management System in Compliance with International Standards

We have managed a whole RC by a common management system incorporating "ISO14001" and "ISO9000s" and the rules "OHSAS18001" in regards to the occupational safety and health over the five fields; the environmental preservation, the process safety and disaster prevention, the occupational health and safety, the product safety and the quality.
Obtaining standard certification has led to a management plan consisting of P (Plan), D (Do), C (Check) and A (Action). This enables us to increase transparency thereby promoting effective RC.
We are mindful of the possible introduction of stricter laws and regulations, and have therefore been attempting to expand to a system incorporating Eco-Efficiency and Risk Management.

Unified Management System Incorporated ISO14001, ISO9000s and OHSAS18001



• RC implementation item examples

	Environmental preservation	Process safety and disaster prevention	Occupational health and safety	Product safety	Quality
Research and development	• Development of environmental load reduction technology • Development of products with lower environmental impacts • Technology Evaluation Committee	• Safety improvements in processes • Technical safety checks • Technology Evaluation Committee	• Eradication of occupational accidents • Health management • Technology Evaluation Committee	• Hazard assessment • Risk assessment • Product safety committee • Technology Evaluation Committee	• Improvements for product quality • Product safety committee • Technology Evaluation Committee
Manufacture	• Environmental load reduction • Technology Evaluation Committee • Dialogue with local communities	• Technical safety checks • Prevention of similar accident • Technology education • Technology Evaluation Committee	• Eradication of occupational accidents • Health management • Technology Evaluation Committee	• Providing information to customers and dialogue • Entrusted parties management • Technology Evaluation Committee	• Securing of quality • Entrusted parties management • Technology Evaluation Committee
Sales and distribution	• Logistical safety measures	• Logistical disaster measures	• Logistical disaster measures	• Logistical disaster measures • Preparation of instruction	• Logistical disaster measures • Preparation of instruction
Use and disposal	• Providing information to customers • Recycling		• Providing information to customers	• Providing information to customers	• Reduction of complaints

RC Promotion System

The RC promotion system has been integrated corporate-wide and plays a central role in the activities of the "EHS Subcommittee" and the "Quality Management Subcommittee" in which more specialized and specific discussions are held.

RC Committee

Chairman: President
Matters discussed

1. Reports of RC results of the previous year and RC audit results
2. RC annual plans for the coming year
3. Review of RC system

EHS Subcommittee

Chairman: Assigned Director
Matters discussed

1. Results of the previous year and reports of audits results
2. Annual plans for the coming year
3. Review of EHS system

Quality Management Subcommittee

Chairman: Assigned Director
Matters discussed

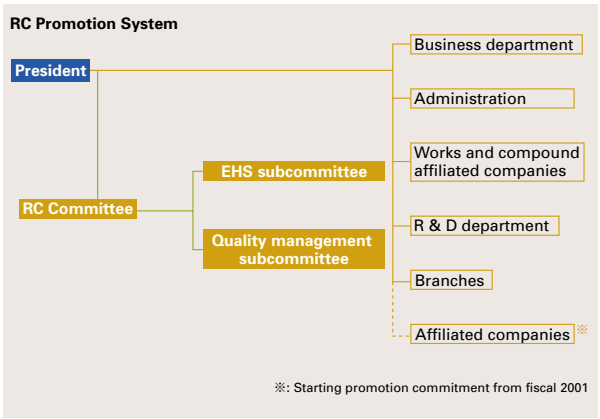
1. Results of the previous year and reports of audits results
2. Annual plans for the coming year
3. Review of the quality management system

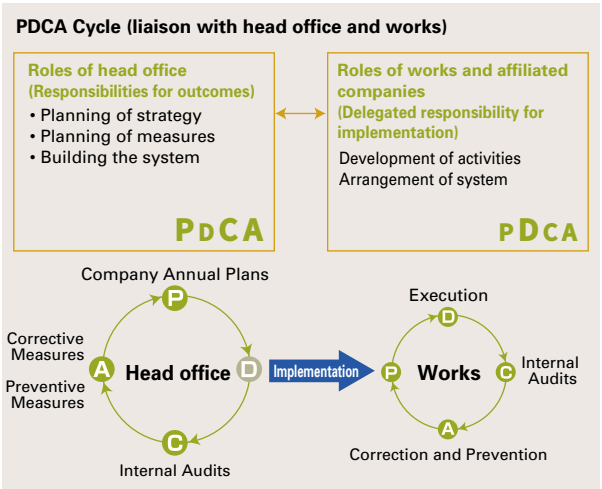
International Standard Certification Acquisition

Mitsui Chemicals is committed to meeting international standards.
The ISO9000s has already been obtained for all Works.
Mitsui Chemicals is preparing for the revision of this standard in the year 2002.
The Ichihara Works also obtained ISO14001 certification in fiscal 2000.

• International certification acquisition and schedules

Works	Accreditation	Fiscal year for acquisition and acquisition schedules 2000	2001	2002
Ichihara Works	ISO14001	●	–	–
	OHSAS18001	–	–	●
Nagoya Works	ISO14001	–	–	●
	OHSAS18001	–	●	–
Osaka Works	ISO14001	–	●	–
	OHSAS18001	–	–	●
Iwakuni-Ohtake Works	ISO14001	–	●	–
	OHSAS18001	–	–	●
Omuta Works	ISO14001	–	●	–
	OHSAS18001	–	–	●





Building the RC Management Data System

We have been addressing the structure of the RC management data system by connecting the head office server.
Dissemination of information has become more efficient due to managing and operating RC in a uniform way.
Secondly, by obtaining the relevant financial data we will be capable of successfully addressing Environment Accounting and Eco-Efficiency.

Environmental Preservation

The data regarding air emissions, PRTR information, COD, BOD and wastes is organized by works and products.
By combining this information with accounting information such as the environmental cost, we can be assured of efficient management.

Process Safety and Disaster Prevention

In each of works, information is centrally managed and includes such information as facilities' troubles, causes of failures and measures taken. This information is utilized for the prevention of similar troubles and to ensure that the facility is effectively and safely maintained.

Occupational Health and Safety

Information regarding causes and appropriate measures for occupational accidents and hazards is entered into the database, which is then utilized in accident and hazard prevention initiatives. In all works, information regarding potential dangers and appropriate action to reduce these dangers (in relation to OHSAS18001) is kept in the database.
Individual health information is also kept in the health control database.

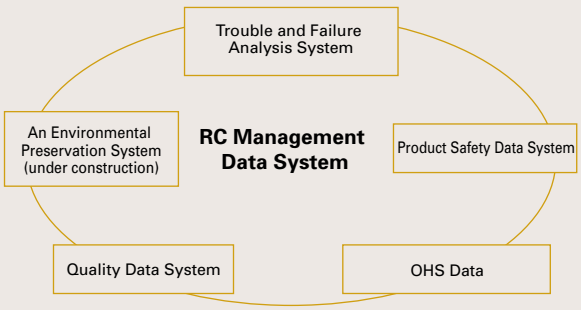
Product Safety

Information, such as MSDS documents, dangers and hazards associated with individual products and regulatory information is kept current and held centrally in order to facilitate the provision of accurate information to customers.

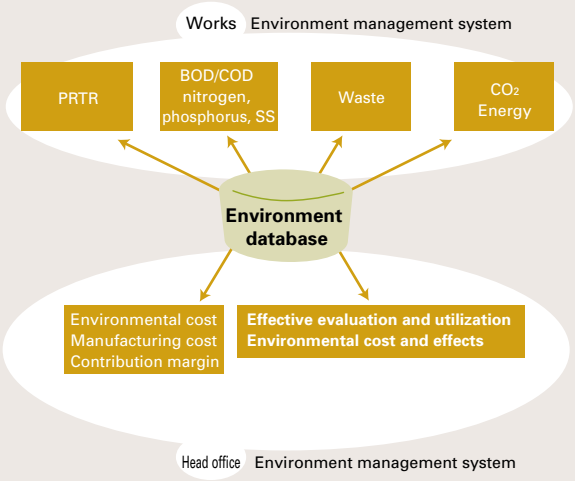
Quality

Feedback and complaints from customers and PL information is also kept within the database and utilized to prevent similar problems.

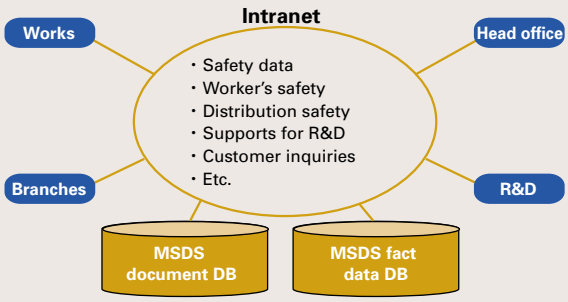
Image of the RC Management Data System



Environmental Preservation System



Product Safety Data System



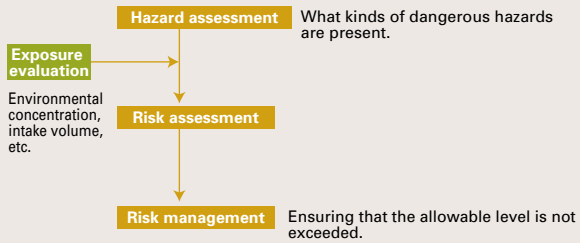
Risk Management System

Within the RC management system, the most important issue is to reduce risks.
Mitsui Chemicals has built a system incorporating risk management into respective PDCA. This system includes the process of safety and disaster prevention, occupational health and safety, and product safety based on risk assessment with regard to chemical substances.
The scale and impact of potential hazards (risks) are evaluated, taking into consideration the level to which human beings and the environment are exposed.
When judging permissible risks in the light of domestic and international regulations, information regarding the product, quality management and providing information to customers is considered carefully in order to ensure that allowable levels are not exceeded.

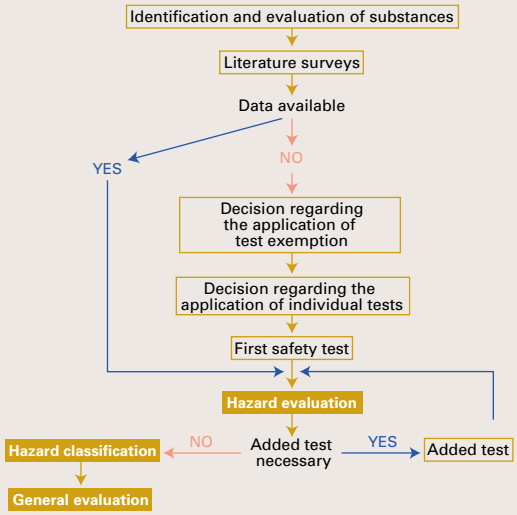
Risk Assessment regarding Environmental Preservation

Risks associated with chemical substances are assessed according to the associated hazard and exposure volume (emission volume). The input of the "Technology Evaluation Committee" is sought in order to make accurate assessments.

Risk Management System for Chemical Substances



Hazard Assessment Process



Load for the Air

Mitsui Chemicals grades substances that are emitted into the air according to their toxicity and long distance mobility. Substances are classified into four zones according to the possible extent of hazard, emission volume, target and constraint conditions.
The procedure for risk assessment is:

1. Verification of the hazard classification of the substance
2. Verification of the area-wide environmental impact
3. The risk is assessed as follows:
   Risk (judgement) = (Hazard classification + Area-wide environmental scores) × (Emission volume) multiplied by (emission volume)

Water Quality Environment Responsibility

A similar risk assessment is also performed in the area of water quality.

Risk assessment regarding environmental preservation (Environmental air load)

・Hazard and impact scores

	A	B	C	D
a	40	20	10	5
b	20	10	5	3
c	10	5	3	1

A, B, C and D are used to indicate level of toxicity
a, b and c are used to indicate long distance mobility

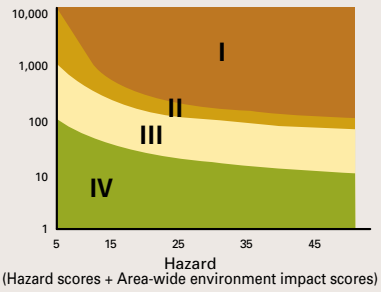
・Area-wide environment impact scores

Indirect environment impact	Scores
Ozone destruction factors	10
Photochemical reaction factors	5

・Evaluation and response

Evaluation	Risk assessment	Target and constraint conditions
I	Over 5,000	Improved immediately
II	2,500 - 5,000	Improved within a set period
III	500 - 2,500	Improved and promoted in a planned manner
IV	Less than 500	Management improvements

Exposure Volume (Air emission volume t/year)



Risk Assessment regarding Process Safety and Disaster Prevention

The DOW and HAZOP methods have already been introduced into the risk assessment process.
The DOW method evaluates the importance of safety measures with respect to the hazard of the substance and volume, while the HAZOP method quantifies the impact on the facilities, taking into account the frequency and degree of hazard. It also secures safety by measures.
The expertise of the "Technology Evaluation Committee" is sought during this process.

Risk Assessment regarding Occupational Health and Safety

The risk assessment is performed by taking into consideration both the risks within facilities and inherent in work procedures, and the risks caused by the associated hazards of chemical substances and exposure.
The risk assessment procedures related to facilities and work are performed in the following procedure.

1. Identify the size of the hazard
2. Verification of possibility of occurrence
   - From a facility perspective
   - From the perspective of management perspective
3. Risk (judgement)= (Size of hazard) x (Facility perspective + Management perspective)

Targets and appropriate constraints reflecting the obtained scores are set up, and measures are set up.
As for risks caused by chemical substance, the work environment, the frequency and volume per hazard are also evaluated.
The expertise of the "Technology Evaluation Committee" is sought during this process.

Risk Assessment regarding Product Safety

The RC is specified as a management item as part of the R&D stage in the "Accel 21" of our new product development program. Risk assessments shall invariably be performed before launching a new product onto the market, and safety measures appropriate to the risk should be implemented.
Two types of risk assessment have been implemented in both "risk assessment regarding workers and environment" in the production process and "risk assessment regarding usage (foods, medication, cosmetics, etc.)" of the final product.
The expertise of the "Technology Evaluation Committee" is sought during this process and more importantly that of the "Product Safety Committee".

Risk evaluation by HAZOP

• Risk evaluation scores

	A	B	C	D	E
I	1	1	1	2	4
II	1	2	3	3	4
III	2	3	4	4	4
IV	4	4	4	4	4

Degree of ease with which defects occur in A, B, C, D and E
Size of damage in I, II, III and IV

• Evaluation and response

Evaluation	Response
1	Unacceptable
2	Undesirable
3	Acceptable under control
4	Acceptable in present form

• Size of hazard

	Degree and nature of the disaster
A	Lost time for thirty days - fatality
B	Lost time
C	No lost time
D	Minor injury

• Possibility of occurrence

	Possibility
a	Inevitable occurrence
b	High possibility
c	Possibility exists
d	Almost no possibility

• Risk evaluation scores

	a	b	c	d
A	16	15	12	8
B	14	13	10	5
C	11	9	6	3
D	7	4	2	1

Possibility of occurrence in a, b, c and d
Size of hazard in A, B, C and D

• Evaluation and response

Evaluation	Risk (judgment)	Target and constraint conditions
V	14〜16	Take measures immediately
IV	10〜13	Measures are implemented within a certain period
III	6〜9	The planning of measures is implemented within a certain period
II	2〜5	No necessity to formulate specific facility policy, but improve management procedures
I	1	No necessity for measures

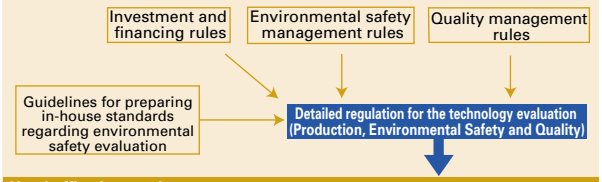
• Safety evaluation of chemical substances in "Accel 21"

Stage	Overview	Responses to the RC
I	To develop a foundation for product concepts	Information collection regarding safety and implementation of surveys
II	To improve on existing concepts Evaluation of market opportunities	Safety evaluation based on literature Providing safety information to customers when a prototype is supplied
III	Development of products and preparatory market development (Limited customers)	Providing safety information to customers Implementation of risk assessment per usage Disseminate information within Mitsui Chemicals Implementation of the assessment to gauge risks and hazards to workers and the environment
IV	Full-scale market development	Risk assessment completed Application for authorizing the completion of risk assessment
V	Feasibility	Implementation of risk assessment of existing products

Technology Evaluation Committee

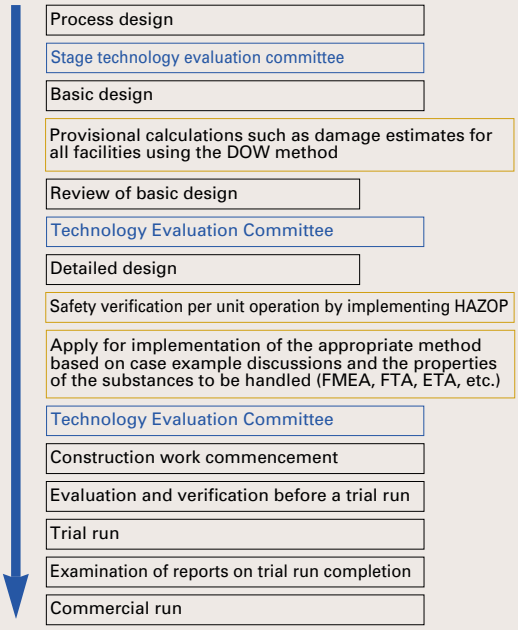
The environmental preservation issues are determined as part of the risk assessment process. This includes safety and disaster prevention procedures, occupational health and safety and product safety. Suggested measures are assessed by evaluating the technology that will be used to secure production/environmental safety and quality during the main stages of construction and modifications of the facilities. Innovative technology development and a commitment to preventing design faults support production technology.
The technology evaluation committee consists of knowledgeable experts from a variety of fields and is sponsored by the chief of the department responsible for construction and modifications on the facilities.

System Instruction Regarding Technology Evaluation



Head office instructions
Implementation of instructions originating from the head office technology evaluation
Works instructions
Implementation of instructions for the works technology evaluation
Works rules
Rules regarding the safety evaluation of the works environment

Screening Programs for Both Newly Built and More Established Facilities



Risk Management regarding Quality Management

Mitsui Chemicals calculates PL risk based on both intrinsic chemical PL risk and usage risks.

Product Safety Committee

Mitsui Chemicals evaluates the usage safety of its products. This includes whether any risk exists in usage and developing measures which will prevent or reduce risk. Customer safety is of prime importance to Mitsui Chemicals.
The product safety committee consists of knowledgeable experts from a variety of fields and is sponsored by quality management directors or an assigned general manager from quality management at head office.

Safety Information Provision

Every effort has been made to ensure that the quality standard controls on usage risks are met. This is actioned by preparing and maintaining MSDSs, vessel packaging warning labels and Yellow Cards which outline the extent of harmful effects. This information is provided to customers and related companies.

• PL risk classified management

		Dangerous or harmful effect risks		
		Large	Medium	Small
Usage risks	Large	A	B	B
	Medium	B	C	C
	Small	B	D	D

• Risk classification based on usage

Degree of risk	Relevant products
Large	Medicines, cosmetics and medical apparatus based on the pharmaceutical affairs law Foods and food additives based on the food sanitation law Agrochemicals based on the agricultural chemicals regulation law Gas work piece based on the gas industry law Electrical appliance and parts based on the electrical appliance and material control law
Medium	Raw materials of medicines, cosmetics and medical apparatus Containers and packages and their raw materials based on the food sanitation law Raw materials of agrochemicals Raw materials of gas work pieces Raw materials of electrical appliances and their parts based on the electrical appliance and material control law Feed units and their raw materials based on the water Works law Raw materials of security parts of aircrafts and vehicles etc. Products based on household goods regulations and other usage regulations Products and their alternatives having caused PL accident case. Chemicals handled in an open system
Small	All products not contained in above mentioned order

Internal Audit System and Implemented Results

The RC audit consists of environmental EHS and Quality. The assigned director performs an audit in each works at least once annually. The audit is based on the respective audit rules and is carried out in conjunction with the annual plans about EHS and Quality.

Areas needing improvement highlighted through the auditing process are included in the following year's RC annual plan and are revisited during the next audit.

Each general managers in works and laboratories also carry out this process.

The audit performed on external affiliated companies has been performed for the year 2000.

• Audit results in fiscal 2000

Instructions	Responsive measures
• The issue raised during an audit will be communicated in writing to employees .	• Instructions given by a works general manager shall be minuted within the safety committee, department and section meetings and production security and shall be distributed to all employees.
• Mitsui Chemicals will arrange to provide copies of their policy and regulations to contractors when appropriate, and will further adhere to relevant occupational health and safety laws.	• The policies and rules of MCI shall also be distributed at the disaster prevention council and at cooperative promotion meetings, etc. • The operation of the disaster prevention council shall be changed from Mitsui Chemicals initiatives to contractors.
• When changes are made to facilities, or operational processes, these policies and regulations will be implemented.	• Obtain verification of requirements. • Even in situations where changes are minor, a system which links to the environmental safety department shall be put in place.

• Internal audit implemented

Subject	Audit implemented date
Ichihara Works	09/07/00 • 03/08/01
Ichihara Works Mobara Center	09/21/00 • 03/08/01
Nagoya Works	10/16/00 • 02/22/01
Osaka Works	09/11/00 • 02/02/01
Yamaguchi SM Plant	10/23/00 • 03/13/01
Iwakuni-Ohtake Works	08/28/00 • 03/13/01
Omuta Works	10/17/00 • 03/14/01
Sodegaura Center	08/30/00 • 02/14/01
Life Science Laboratory	09/21/00 • 02/14/01
25 departments of division and logistic department	10/25/00 - 12/27/00
Hokkaido Mitsui Chemicals Inc.	02/27/01
Shimonoseki Mitsui Chemicals Inc.	09/22/00 • 02/08/01
Sanchu Chemicals	01/25/01
Sunrex Industry Co., Ltd.	03/22/01

• Safety guide results of overseas subsidiaries and affiliates in fiscal 2000
(Five companies in the South East Asia September 2000 and January 2001)

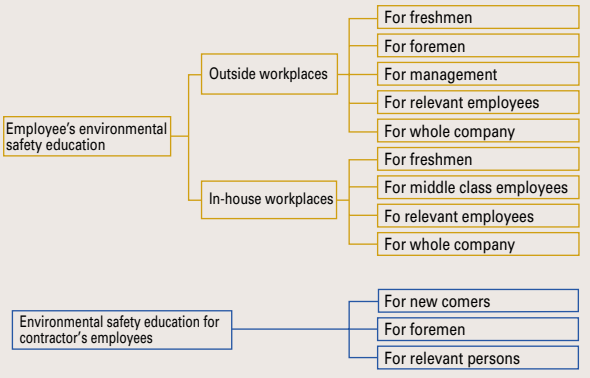
	Guidance contents	Guidance contents
Safety management system	• Any variations from the standards will become apparent in the preparation stage of the safety management annual plan. • Activities do not correspond to the plan. • The status of safety control is uncertain.	• It is vital to prepare for the safety control annual plan and implement the activities in line with the plan. • The on-site manager should perform the safety control fully and ensure that there is a forum where information exchange can take place.
Safety activities	• Basic safety activities are not implemented. • Reports, contact and consultation are not up to standard.	• To ensure certainty, point persons out by fingers and call his/ her name. • Implement the improved proposal activities • Importance of reports, contact and consultation and education

Education System

In order to promote RC it is vital that on site education is given a high priority, in addition to the education and training about legal requirements, ISO9000s, 14001 and OHSAS18001. Furthermore education and training within hierarchy are implemented.

Education of contractors will further develop RC within Mitsui Chemicals.

Education Program System (Iwakuni-Ohtake Works)



Environment Load Reduction in the Office (Green Purchasing)

Mitsui Chemicals is purchasing more environmentally friendly goods in areas such as stationery in order to further support environmental preservation.

Purchasing is carried out in conformance with the purchasing standards of the Green Purchasing network.

Environmental Accounting

The Policy of Environmental Accounting

Mitsui Chemicals has made significant investments in support of RC. Through understanding the cost and effects in regard to the environment in quantitative terms, environmental accounting has been introduced for the three purposes outlined below.

1. Appropriately allocate management resources to deal with environmental issues.
2. Promote efficient environmental preservation.
3. To improve the evaluation and reliability from community through positive disclosure.

Scope

Mitsui Chemicals main works and the works of affiliated companies

Period

Fiscal year 2000 (from April 2000 to March 2001)

Accounting Methods

The cost is defined as follows, with reference to the guidelines produced by the Ministry of Environment.

1. The costs of the prevention of environmental pollution and environmental preservation clearly outweigh the costs involved.
2. The cost is designated as investment and expenses. The investment is defined as what was performed for the purpose of the prevention of pollution for that period. The expenses involved include raw material costs, utility expenses and personnel expenses that properly maintain the depreciation charge of the facilities.

Results of Fiscal 2000

Investment costs amounted to approximately 4.8 billion yen ($40 million), while the expenses reached approximately 15 billion yen ($1.25 billion). Additionally, the economic effect in conjunction with the costs of environmental preservation amounted to approximately 3.3 billion yen ($2.75 billion).

Utilization in the Future

As the economic effects become more apparent, an appropriate allocation of management resources is planned. This depends on a full understanding of the environmental load reduction effects, and the environment cost. Effective environmental preservation activities will also be promoted.

• Environmental preservation cost

(100 million yen)

Classification	Contents	Investment amounts	Expenses
1. The environmental preservation cost to reduce the environmental load that comes within the business area		20.40	109.30
(1) Prevention of pollution cost	Waste water treatment facility, lowering of gaseous emissions, etc.	13.40	99.20
(2) Global environmental preservation cost	Energy conservation facility	2.30	0.20
(3) Resources recycling cost	Industrial waste disposal, waste volume reduction facility, etc.	4.60	9.80
2. The cost of reducing environmental load that occurred in the upperstream process and the downstream process along with production service activities	Target not met at this time	—	—
3. The environmental preservation cost associated with management activity	Implementation of environmental management, employee's education, etc.	0.00	3.70
4. The environmental preservation cost associated with R&D activity	Products related to reducing environmental load, the process development, etc.	0.00	27.00
5. The environmental preservation cost associated with social activity	Money reserved for pollution, greening, etc.	0.01	3.40
6. Total costs related to environment damage	Survey to environmental pollution, remediation, etc.	27.20	6.70
Total		47.61	150.10

• The economic effects along with the environmental preservation measures

(100 million yen)

Effects	Amounts
Revenues obtained from recycling	11.0
Savings in purchased fuel and power arising out of energy conservation	6.4
Savings in purchased raw materials arising out of resource conservation	15.6
Total	33.0

A Trial Examining Eco-Efficiency Analysis

The BCSD (Business Council for Sustainable Development) proposed during the earth summit of 1992, that it is crucially important to improve Eco-Efficiency in sustainable development. Eco-Efficiency is calculated by dividing the value of products and services by the environmental load. Mitsui Chemicals develops a promotion strategy for environmental safety each year. It is a strong policy aimed at minimizing negative effects on the environment and this is recognized at each stage of product manufacturing.

- Do not use new hazardous substances or do not emit them.
- To minimize waste disposal volume.
- Maximize energy efficiency and minimize CO_2 emission.

Additionally, the evaluation of Eco-Efficiency at the stages of manufacturing has begun. Eco-Efficiency is vital in all stages of product development.

Unification of the Environmental Load

At present, a study has been conducted which unifies such environmentally damaging items as CO_2, NOx, SOx, and Mitsui Chemicals has completed this referring the panel method proposed by Professor Nagata of Waseda university. Weights are assigned to the environmental load in seven categories. A unified indicator is used.

Relationships with Environmental Preservation and the Economy

In evaluating Eco-Efficiency, the value indicator is calculated in the following:

- Corporate value: ordinary income
- Product value: sale price

Evaluation of Eco-Efficiency of the Entire Corporation

When estimating the Eco-Efficiency of the entire corporation, the following is specified:

- The numerator indicates a non-consolidated ordinary profit.
- The denominator indicates the unified environment load.

• Categories ranked in order of importance (Relative importance among categories)

	LCA experts	Environment experts	In-house environment experts	Mitsui Chemicals
Global warming	0.19	0.11	0.18	0.16
Depletion of ozone layer	0.14	0.14	0.20	0.16
Acid rain	0.10	0.10	0.12	0.10
Air pollution	0.15	0.16	0.12	0.15
Ocean and water pollution	0.10	0.16	0.11	0.12
Waste treatment	0.17	0.13	0.11	0.13
Impact on ecological system	0.15	0.20	0.17	0.18
Total	1.00	1.00	1.00	1.00

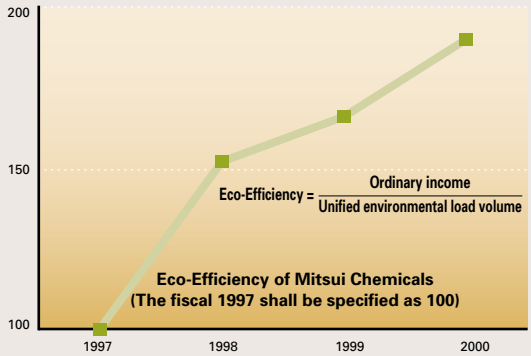
• Categories and Environmental load items

Category	Environmental load items
Global warming	CO_2, fluorocarbon, methane, N_2O
Depletion of ozone layer	fluorocarbon
Acid rain	SOx, NOx
Air pollution	SOx, NOx, dust, non-methane system VOC
Ocean and water pollution	COD, BOD, nitrogen, phosphorus
Waste treatment	Waste
Impact on ecological system	Priority reduction substances

• Weight factors of the environmental load items

Environmental load	Coefficient
CO_2	1
SOx	860
NOx	810
N_2O	320
Non-methane VOC	240
Waste	3

Estimated Results for Eco-Efficiency



Evaluation of Eco-Efficiency of Products

A similar analysis is used when calculating the Eco-Efficiency of products. Performing an Eco-Efficiency analysis during development stages contributes to reducing environmental load.

Trial of Eco-Efficiency for Acrylamide

Acrylamide (AAM) is a raw material for flocculent and paper strengthening agent. Mitsui Chemicals has the most advanced global AAM manufacturing technology.
A review of the manufacturing technology has been undertaken with an aim of reducing load to the environment and increasing effective production since 2000. Our company has recognized the benefits of improvements such as minimization of waste-water load and improvements to high productivity, and has also accomplished a reduction in environmental load by adopting the use of enzyme catalysts. (bio process)
Features of the bio process are:

- Due to reaction taking place at room temperature, side reactions are suppressed, and selectivity improves.
- Additional purification of products is unnecessary and energy can be conserved.

As a result of performing the Eco evaluation of manufacturing technology, environmental load is reduced by 30% compared with the existing manufacturing process.

Trial of Eco-Efficiency for Phenol

Phenol is a basic raw material of polycarbonate and epoxy resin. In an attempt to expand the phenol business, Mitsui Chemicals has built the cumene process phenol plant with an annual capacity of 200,000 tons using a state of the art process in Singapore. This plant has the best process for phenol and entered into commercial operation in August 2001. Secondly, in the cumene manufacturing process, which produces the intermediate raw material of phenol, the recently developed zeolite catalyst has also been adopted.
Features of this manufacturing process are:

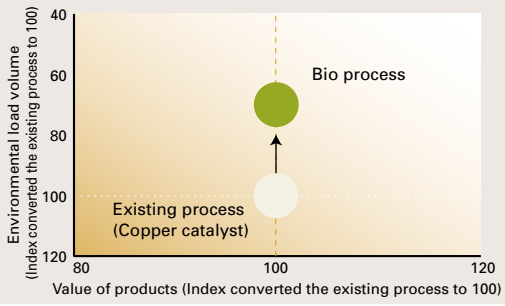
- Improvements to raw material basic unit and energy conservation are possible.
- This is an environmentally friendly process with low environment load in terms of drain and waste disposal.

As a result of having performed an Eco-Efficiency analysis of the manufacturing process at this work, the environmental load has been reduced by 41%.

• Digitalization for Eco-Efficiency unification number (Index)

	Bio process	Existing process
Unified environmental load (Index)	70.9	100
Breakdown		
CO_2	69.3	79.1
Drain/ waste load	0.5	15.5
Air load	1.1	5.4

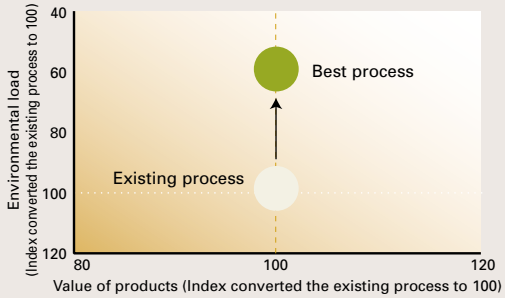
Comparison of Eco-Efficiency (Acrylamide)



• Digitalization to generate Eco-Efficiency unification number (Index)

	Best process	Existing process
Unified environmental load (Index)	58.9	100
Breakdown		
CO_2	50.2	54.6
Drain/ waste load	6.6	28.5
Air load	2.1	16.9

Comparison of Eco-Efficiency (Phenol)



RC Performance

During the 2000 fiscal year, seven issues were addressed and targets set. Activities have been successfully carried out to address these issues, and it is likely that all targets can be met.

Important Problems and Results in fiscal 2000

Important problems	Addressed targets	Results	Pages
1.Active effort to environmental issues (1) Planned reduction for environmental load: Target: Specified in the guidelines.	• Planning and implementation of the plan to reduce the environmental load throughout the whole company	• Preparation of guidelines for reducing air and water load • Selection of benzene recovery technology from effluent and preparations of plans	20
	• Promotion to obtain ISO14001 certification	• Certification of Ichihara Works • Commissioning of Iwakuni-Ohtake Works	9
(2) Appropriate responses to the relevant environmental legislation and regulations Target: Compliance with legislation and regulations	• To examine the content of the DXNs law, the PRTR law and the Water Pollution Control Law, and to implement relevant measures	• Completion of surveys of DXNs law relevant to work and facilities and implementation of appropriate measures	23
		• Completion of survey of actual emissary conditions of substances subject to the PRTR and implementation of measures	19-21
		• Responding to nitrogen and phosphorus effluent regulations	21
(3) Preparation to deal with issues associated with recycling Target: Implementation of measures	• Survey, examination and establishment of recycling technology	• Promotion of PET recycling Implementation of surveys of actual waste plastics generated	26
	• Promotion of approaches by industries (Japan Plastic Waste Management Institute, PET Bottle Recycling Council, etc.)	• Proceeding as planned	26
2. An aggressive promotions of the environmental businesses Target: Incorporate as part of the business plans	• Product development geared towards reduced environment impact by the business divisions	• Accelerated development of biodegradable plastics	24
	• Various responses to environmental regulations and the expansion of the soil survey business	• A decision on the strategic development of a dioxin decomposition catalyst • Approaches to the soil survey business	7
3. System formulation and implementation to eradicate accidents and occupational hazards (1) Prevention of accidents such as fire, explosion and leakage	• Construction and promotion of an activity system	• A regular series of meetings examining examples of actual disasters is implemented, an environmental safety bulletin board is prepared and utilized, a meeting is held by the environmental safety general manager, an effective example in the factory manager's meeting is conveyed, made known and implemented, and a survey of actual conditions at each works regarding antistatic measures is implemented.	27
(2) Prevention of occupational hazards Target: Zero accidents and occupational hazards	• Implementation of planned activities in the Works	• Promotion of each works' annual plans	27
	• Introduction of OHSAS18001 System	• Preparation for the plan for acquisition of OHSAS18001 certification, and the WG inauguration	28
4. Reinforcement in response to chemical substance safety controls (1) An appropriate response to endocrine problems Target: Improvements in reliability	• Understanding of the latest information, both domestic and overseas and appropriate responses	• Collection of the latest information from the industry, and exchanges of information with the government	31
		• Development of phthalate ester free PP catalyst	–
(2) An appropriate response to HPV (High Production Volume Initiatives) by bearing part of the international shares Target : To obtain international approval	• Acquisition of relevant safety data on company products and preparation of reports	• Implementation of report on Mitsui Chemicals products based on the Japan Chemical Industry Association (JCIA) schedules	31
5. Reduction of claims and complaints Target: 10% reduction compared with fiscal 1998	• On-going accomplishments of the quality management system in business divisions and works	• Implementation of general manager audits	32
	• Approaches to quality management utilizing feedback from claims and complaints	• Complaint measures WG is implemented.	32
6. System formulation to disseminate RC through the whole company Target: Ensure that all employees understand the RC mission	• Expansion of the RC system	• The RC Committee meeting, and the Management Board reports were implemented.	–
	• To clarify and make known the roles of each department concerning RC	• Appointment of RC representative for each division, explaining RC for them	–
7. Support provided to affiliated companies and the establishment of an appropriate management system Target: The RC policy of Mitsui Chemicals shall be widely disseminated and an audit shall be performed.	• To provide policy on environmental safety, quality management and the contents of Mitsui Chemicals' plans	• Selection of the support subject domestic affiliated companies • A survey of the actual status of overseas affiliated companies is conducted.	–
	• Regular meetings with affiliated companies	• A regular RC meeting is held with domestic affiliated companies.	–
	• To provide safety guides to affiliated companies	• Guidance for the five overseas companies	32
	• To implement audits of affiliated companies	• Audits of the four domestic companies	14

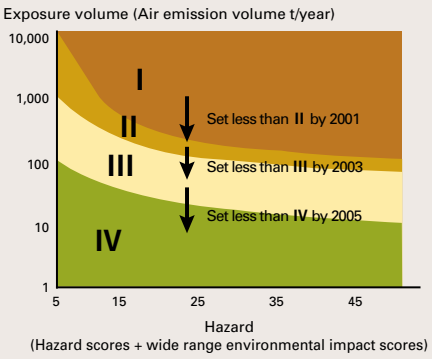
Commitment to Environmental Preservation

Mitsui Chemicals has been contributing to environmental preservation in two ways. Firstly by reducing the environmental load and secondly by appropriate management of its own chemical substances. This commitment to environmental preservation will be actively promoted in the future.

Commitment to Hazardous Air Pollutants and PRTR

Following the environmental risk assessment, Mitsui Chemicals has set up voluntary guidelines, which have successfully reduced the emission of hazardous air pollutants. The reduction of air pollutants such as benzene, in accordance with Air Pollution Control Laws, has also been achieved by following these guidelines.

Voluntary Guidelines for the Reduction of Air Pollution



Mitsui Chemicals has already implemented programs to reduce pollution from chloroform, 1,3-butadiene and ethylene oxide in the IV rank. Dichloromethane is scheduled for reduction measures following fiscal 2001.

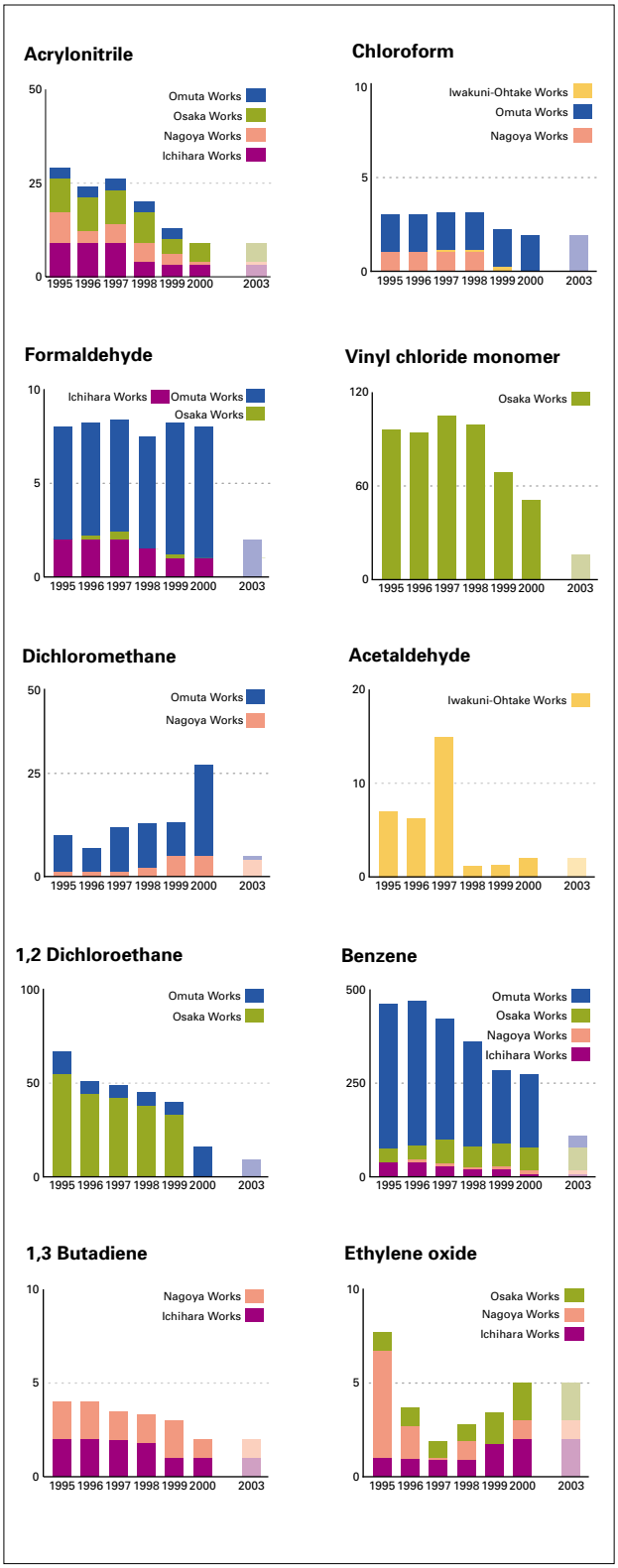
Commitment to PRTR

The chemical industry began voluntary compliance with the PRTR voluntarily from fiscal 1992. Mitsui Chemicals has been fully participant in this commitment through such actions as sumitting a report to the Japan Chemical Industry Association and assigning priorities to the reduction plan; a plan which is currently being implemented.
The schedule of measures is based on the evaluation contained in the risk assessments.

• Release to the environment and transfer volume (t/year)

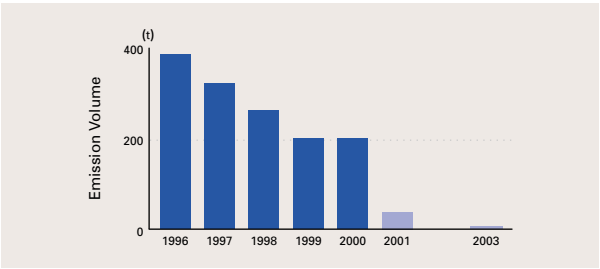
Fiscal year	Air	Public water areas	Soil	Transfer	Total
1999	8,475	454	0	2,335	11,264
2000	6,290	133	0	2,283	8,706

• Emission volume of hazardous air pollutants (t/year)



Reduction of Benzene Emission Volumes

Omuta Works has begun development in this area in line with the chemical industry's voluntary commitment in 1997, which aims to reduce the emission volume of benzene. In 1999, the Works achieved results exceeding the targeted 30% reduction. Mitsui Chemicals plans to continue these measures; the target is a plan for reducing benzene emission volumes to 3.2 tons per year by fiscal 2003.

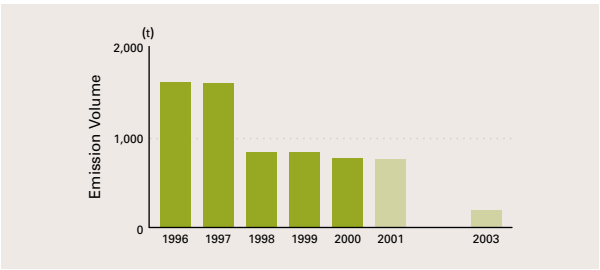


• Promotion of benzene emission volume reduction at Omuta Works

Fiscal year	Reduced volume (t)	Measures
1997	64	Reinforcement of benzene recovery from by-product material
1998	42	Installation of emission vapor return piping when delivering from a tank lorry
1999	79	To change solvent of extracted liquid of accompanying substances of waste water
2000	0	
2001	(162)	Installation of waste-water stripping unit Reinforcement of the vent condenser

Reduction of Ammonia Emission Volumes

Osaka Works has been working to reduce the amount of ammonia emitted into the air. The replacement of filler used in the urea work exhaust gas cleaning column has enabled Osaka to reduce ammonia emissions by approximately 700 tons compared with the previous year in 1998. In fiscal 2000, changes to the exhaust recovery column make-up water in the same work pelletizing column enabled Osaka to reduce ammonia emissions by approximately 120 tons in comparison with the previous year.

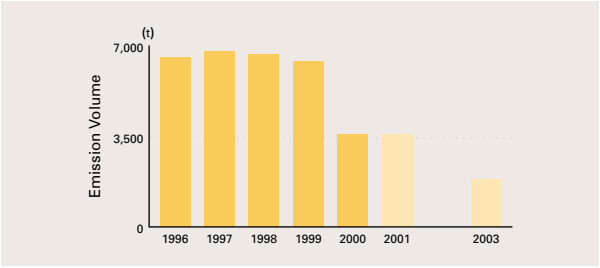


• Promotion of ammonia emission volume reduction at Osaka Works

Fiscal year	Reduced volume (t)	Measures
1997	10	Change of filler of pelletizing column exhaust recovery column
1998	760	Replacement of the exhaust gas cleaning column filler
1999	0	
2000	120	Change of make-up water in exhaust recovery column
2001	0	

Reduction of Hydrocarbon Emission Volume by the Catalyst Burning Unit

Iwakuni-Ohtake Works installed an exhaust gas catalyst oxidation unit in May 2000. Hydrocarbons released with exhaust gas are reacted with oxygen in the air, reducing hydrocarbon emission volumes by approximately 2,800 t/year.



• Development towards the reduction of hydrocarbon emission volume at Iwakuni-Ohtake Works

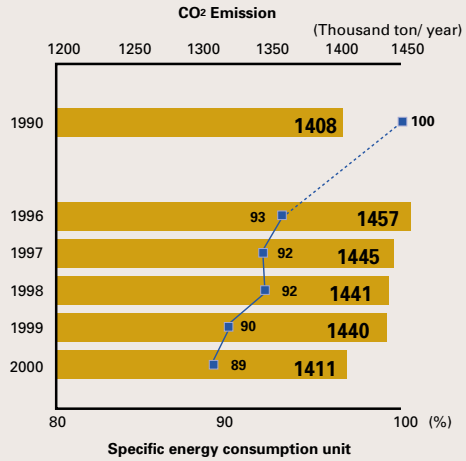
Fiscal year	Reduced volume (t)	Measures
1997	▲232	
1998	113	
1999	266	
2000	2,840	The installation of the exhaust gas catalyst oxidation unit in the third line of terephthalic acid was completed in the second half of the year 2000.
2001	0	
2003	(1,712)	The installation of the exhaust gas catalyst oxidation unit in the first and second terephthalic acid lines is scheduled to be completed in 2003.

The exhaust gas catalyst oxidation unit

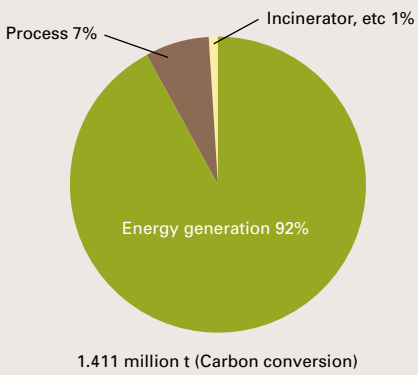
Global Warming Prevention Measures

Mitsui Chemicals has been working towards reducing CO_2 emissions since the 1990s.
The bulk of our company's CO_2 emissions (92%) are produced by energy generation.
For this reason, Mitsui Chemicals has been addressing energy conservation aggressively in order to meet targets and to improve specific energy consumption by 1%/year
Measures, including increasing the efficiency of processes, the introduction of co-generation and fine-tuning energy use controls have been implemented.
As a result, the chemical industry's target for fiscal 2010, of setting energy unit consumption to 90% of that in fiscal 1990 has been achieved in 1999. Practicing committed energy conservation in the future, the improvements in energy efficiency have been addressed to set CO_2 emissions at the 1990 level in 2010.

• CO_2 emissions and the specific energy consumption unit



CO_2 Emissions in Fiscal 2000 (per generated causes)

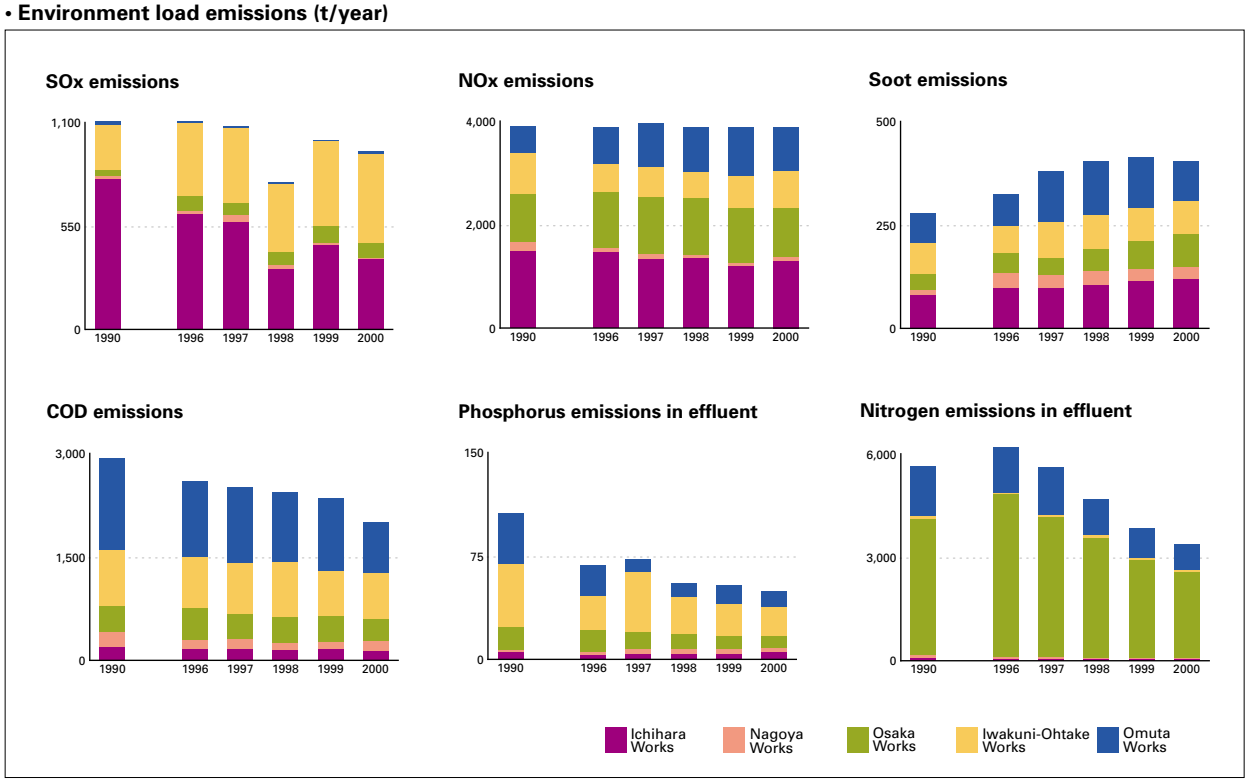


1.411 million t (Carbon conversion)

Progressive Reduction of Environment Load Volume

Mitsui Chemicals has always made efforts to reduce the air pollution of such substances as SOx, NOx and dust, and to reduce the water pollution due to COD, nitrogen and phosphorus. The Osaka Works is scheduled to reduce nitrogen effluent by 2003.

• Environment load emissions (t/year)



Reduction of Wastes

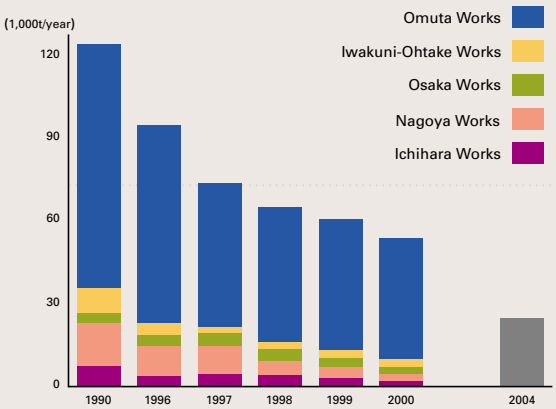
Mitsui Chemicals has a plan of the reduction of waste, with an emphasis on the reduction of emissions (Reduce) from manufacturing processes, reuse of wastes (Reuse) and recycling of by-products (Recycle) as steps towards establishing a recycling-oriented society.

Target Value for Waste Measures

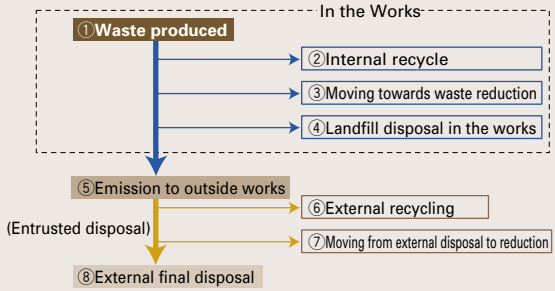
An "80% reduction in 1990 landfill disposal volumes by 2004" has been addressed as a company target in fiscal 2001. Main objectives for fiscal 2000 were in the following;

- Eliminating organic sludge by Ozone treatment (Reduce)
- Reuse of waste sulfuric acid (Reuse)
- Turning sludge into cement material (Recycle)
- Converting waste catalyst into valuable resources (Recycle)

Progressive Reduction in Waste Landfill Disposal Volume



Conceptual Flow Drawing of Industrial Waste Disposal



• Disposal status for each waste type in fiscal 2000 (t/year)

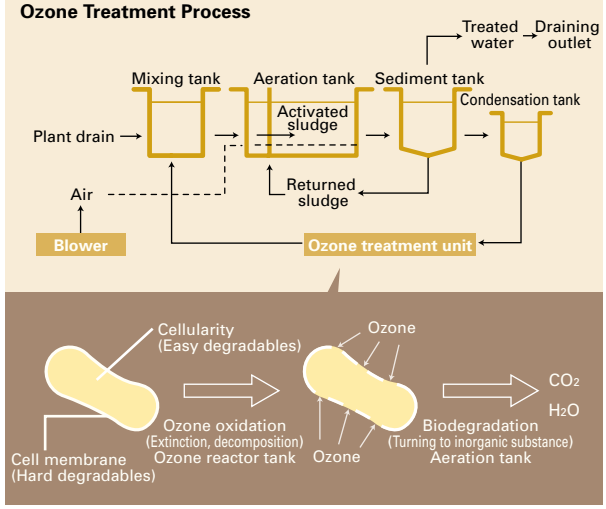
Types of waste	①Generated volume	②Internal recycling	③Moving towards waste reduction	④Landfill disposal in the works	⑤Emission to outside works	⑥External recycling	⑦Moving from external disposal to reduction	⑧External final disposal
Sludge	108,992	11,969	43,732	39,308	14,004	6,050	1,126	6,828
Waste acid	4,969	666	289	0	4,014	3,977	37	0
Waste alkali	2,316	0	2,123	0	193	0	193	0
Waste oil	78,873	59,782	309	0	18,782	13,937	4,842	3
Others	55,588	18,185	5,135	3,815	22,887	18,217	2,121	5,001
Total	250,738	90,602	51,588	43,124	59,880	42,181	8,319	11,832

Eliminating Organic Surplus Sludge by Ozone Treatment

The waste-water from each works in Ichihara Works has been treated by adopting the activated sludge process, which makes use of aerobic microbes. Because a large amount of surplus sludge (proliferated microbes) has been generated from this facility, this was dehydrated and burned. The ozone treatment introduced at this stage reduces the volume of sludge to zero and circulated waste-water in order to conserve energy.

Ozone treatment unit (Ichihara Works)

Ozone Treatment Process



Current Problems in Soil and Groundwater

Current problems of soil and groundwater pollution were mainly caused by the past inheritance, due to the lack of modern scientific knowledge.
Mitsui Chemicals now makes use of modern technological developments in line with regional environmental guidelines.

Responses of Omuta Works to DXNs Pollution

In August 2000, the Environment Agency and Fukuoka prefecture published the results of a DXNs survey. These results show that DXNs levels substantially exceed the environmental standard in the Omuta river, which flows near the Omuta Works. This was found to be due to oil globules, which are exuded intermittently from the local joint of the river bed concrete.
Furthermore, DXNs levels in fishery products in Ariake-sea have been found to be at the national average.
The Omuta River was heavily polluted by effluent released by the Works over thirty years ago. However, pollution levels have been reduced by such measures as ongoing dredging, riverbank protection conducted from 1974, and by enforcing regulations in relation to outfalls, etc.
Mitsui Chemicals has proposed a basic policy stating that:

- DXNs should not be emitted from the works
- Waste and soil which contain DXNs should be dealt with in accordance with legislation, and regulated by internal standards

This applies to all works, as part of the environmental safety plan for fiscal 2000, and is in compliance with RC guidelines and DXNs law. Mitsui Chemicals has developed measures in order to ensure this policy is adhered to.
In Omuta Works, and the following actions were implemented.

1. The recovered agricultural chemical CNP, which was found to contain DXNs, has been carefully stored and managed within the warehouse complex. The results of periodic checks are reported to the city authorities.
2. The DXNs levels in products (including wastes) were checked. DXNs were not found in the products but were evident in waste and effluent as by-products of chlorobenzene production and so on.
3. The plant effluent satisfied the requirements of the national standard, but an activated carbon treatment unit has been installed in order to meet our company's internal standard of 1pg-TEQ/l (equivalent to the national environment standard). Following periodic examination, works effluent is nearly up to this internal standard
4. At several locations within the works, soil DXNs levels exceeded regulatory standards. Corrective measures were taken to isolate or cover such areas.
5. Waste containing DXNs has been properly treated within the company in compliance with the legal regulations.

A field survey by the prefecture and city has verified the aforementioned facts.
As for the causes of DXNs detected in the Omuta River, the company is cooperating fully with the prefecture's field survey program, and with the provision of data.
The company will observe the basic DXNs policy that states: "Do not emit DXNs from the works", as well as fully cooperating with all measures the prefecture deems necessary in the future.

Measures for the Prevention of Resin Pellet Leakage

In recent years resin pellets, which are the raw material for plastic products, have not only drifted ashore on the coast, but have also been discovered in the stomach of dead sea birds, thus becoming an environmental problem. Mitsui Chemicals has implemented spillage prevention measures at the point of origin. The company has not only successfully addressed the problem of spillage at this point in the product cycle, but has also taken appropriate countermeasures to prevent such problems during transportation. Additionally, a precautionary warning is printed on the paper bags containing the bulk pellets to alert the end processor to the potential risks of spillage.

Strainer installation status (Ichihara Works)

"the prevention of resin pellet leakage" poster

Business Contributing to Environmental Preservation

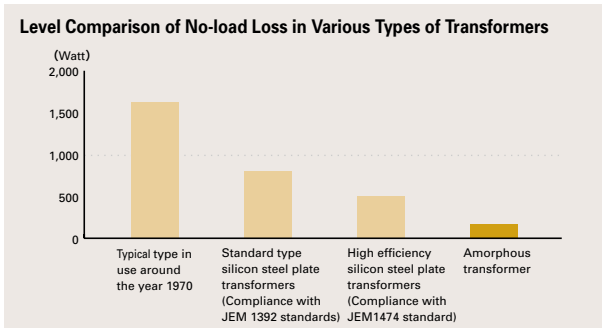
Mitsui Chemicals has been attempting to contribute to a comprehensive environmental preservation program that includes system development and process improvement. The company aims to reduce the amount of environment load products on the market.

Amorphous Transformer to Actualize Energy Conservation

Environmental issues have become a critical matter due to the advance of global warming. Nippon Amorphous Metals Co., Ltd., Mitsui Chemicals affiliated company, has been contributing to reducing environmental damage by encouraging the widespread use of the amorphous transformer. The transformer have no-load loss, which means leakage of electric energy. The energy produced by 13.5 million transformer units nation-wide is equivalent to the generation volume of approximately 11 thermal power stations.

The use of amorphous alloy reduces leakage to approximately one eighth. When the entire transformer is considered it is possible to reduce emissions of greenhouse gases throughout the whole of Japan by approximately 1%. Furthermore, this product was added to the item of "top runner method". In years to come the price of this product should decrease, but at present it maintains a high Eco-Efficiency value due to its long life, which is approximately 30 years.

Mitsui Chemicals has been supporting this initiative by introducing the amorphous transformer throughout the company.



Installation status of amorphous transformers

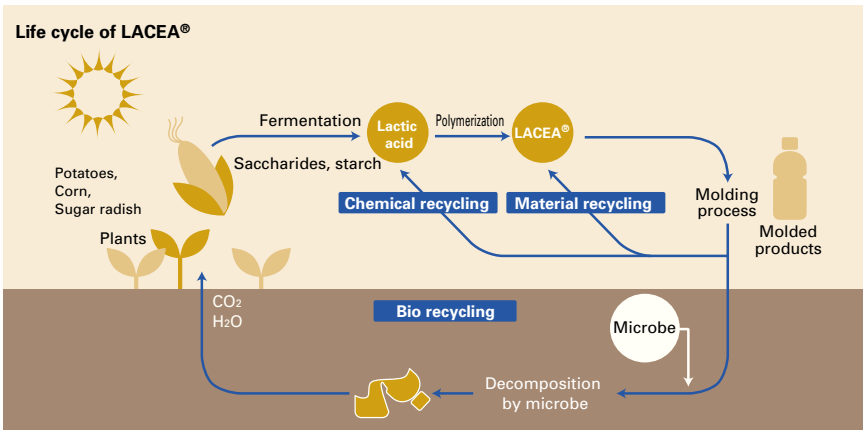
LACEA® (Biodegradable Plastics)

Mitsui Chemicals has developed the biodegradable plastic (GreenPla) polylactic acid "LACEA®".

LACEA® is a plastic "born from nature, and returned to nature", produced from plant-based materials and degrade through the action of microorganisms. We have already obtained GreenPla certification in Japan, and have passed the criteria of compostable materials in Germany.

The LACEA® development department has been attempting to diversify into fields such as packaging containers, fibers, and agricultural and civil engineering and materials for composts. LACEA® has been promoted for practical uses in various fields as an environmentally friendly material which complies with environment-related legal regulations such as the vessel packaging recycling laws.


LACEA®



Adsorbent Materials for Oil Spills

Mitsui Chemicals has developed oil adsorbent "TAFNEL Oil Blotter®" into products for the prevention of oil pollution in seas and rivers.
This product is made up of polypropylene non-woven fabrics. This allows it to be molded in a variety of shapes, which further means it can be utilized in a wide variety of uses, such as treated of oil impregnated drains in plants and wiping out oil around machines. Because this product does not sink and adsorbs only oil it makes recovery work relatively easy. Furthermore, the product itself does not generate toxic gas when burned, thus contributing to environmental preservation.

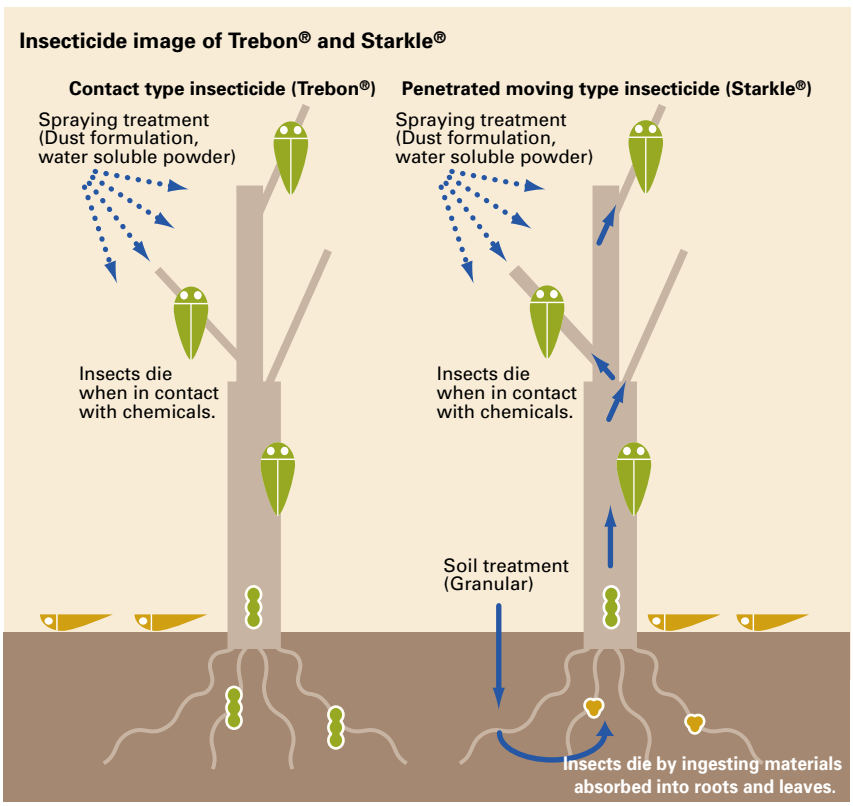
Used examples of TAFNEL Oil Blotter®

Used examples of TAFNEL Oil Blotter®

Halogen-free Insecticide

Mitsui Chemicals launched the revolutionary insecticide etofenprox to the market in 1987. ("Trebon®") This does not include halogen atoms such as chlorine. Since etofenprox has been made available for sale, it has been widely used in agriculture, termite control and epidemic prevention, as it is highly effective and has a high degree of safety. (The chemical formula in this report represents the chemical structural formula of etofenprot)
Novel in secticide, dinotefuran (Starkle®) It is highly effective as an insecticide of low toxicity and with excellent systemic properties.
This particular product has proven effective as an insecticide as it penetrates easily, translocates throughout the plant and has a high residual activity.
Dinotefuran does not contain halogen atoms such as chlorine in its chemical structure, and it is expected that the environmental impact will be low as it has low toxicity for birds and fish.

Insecticide image of Trebon® and Starkle®



Recycling of PET Bottles

Since Mitsui Chemicals has manufactured and sold PET resins for PET bottles, the company has devoted its energy to developing uses for recycled products, together with cooperating in the development of recycling technology as a member of the Japan PET Bottle Association, the PET Bottle Recycling Promotion Council. As a result, the company has succeeded in the development of technology enabling inflation molding of the PET flake, which was difficult with the existing mold.
Making use of this technology, Utsumi Incorporated has commercialized "waste bags". Since this product is low in burning calorific value compared with the conventional product and leaves no residue, it reduces the harmful effects on the environment brought about in its disposal. Further, this product has an excellent feature in that it can be made opaque without adding minerals and to be heat sealed using 80% PET flakes.
New uses are expected to be found for this product in the manufacture of "films".

Waste collected bags for PET bottle reuse

Spectacle Lens Monomer

Mitsui Chemicals has been developing and marketing a monomer for spectacle lenses with high refractive index since 1987.
The lens monomer, MR series, enables the production of a thin, light and durable plastic lens. Further, this lens has a long life, with high resistance against heat and ultraviolet rays.

Recycling of Polyurethane

Mitsui Chemicals has provided elastic layer and surface finish materials suitable for athletics tracks, jogging courses and multi-purpose grounds, changing this to a urethane mixture by chip crushing the used polyurethane from recovered bumpers. The mixture of urethane family adhesives and crushed products is also used to make permeable tennis courts, which are hardened using a heated roller.


Tennis courts using recycled polyurethane, in Nagoya Works

Development of Asbestos Alternative Products

Mitsui Chemicals has been developing synthesized pulp as process fibers for slate roof tiles, which are a preferable alternative to asbestos, which is known to have carcinogenic properties. The company has been developing their usage for clay adjusted painting materials.
These have been widely used without the toxicity problems that were associated with asbestos.


Roof tiles using process fiber

Commitment to Process Safety and Disaster Prevention

Ongoing product evaluation and reliability for society are ensured through a positive voluntary commitment to the elimination of accidents and occupational hazards.
The primary first step is to take full-scale preventive measures against the occurrence of accidents, and we will make every effort to construct an accident-free system.

Securing Safety

Mitsui Chemicals has made a concerted effort to ensure safety. In addition to making improvements in the reliability of facilities by utilizing the process safety and disaster prevention system, in fiscal 2000 we have been paying particular attention to the following points.

- Checks regarding technology factor of safety
  This mainly involves checks on the performance status of antistatic disaster prevention measures
- Cultivation of a "Staff well versed in safety" in the manufacturing worksites
- Implementation of measures such as workplace safety checks, and prevention of similar accident
- Performance of safety work of the same level as the company employees among the contractors' employees

Plans for Area Process Safety and Disaster Prevention and Disaster Prevention Drills

Disaster prevention plans and disaster prevention drills are implemented in order to prevent the occurrence of accidents and their exacerbation. In preparation for an emergency, extinguishing drills, calling and notice are performed periodically. The disaster prevention drills are prepared for the annual plan for each worksite and performed as appropriate, but general disaster prevention drills covering the whole company are planned periodically, engaging in one united body the public fire service and the self defense disaster prevention unit.
In addition, a common disaster prevention drill has been implemented involving the public fire service and neighboring corporations, which provide mutual support for the drills.

• Disaster prevention drills (Ichihara Works)

Unified drills with the public fire service	Once/year implemented within the Works Common operations such as tail water by mobilizing the public fire service
Disaster prevention drills within the Works	Once/year implementation of the work general disaster and prevention drills Implementation of the drills by the corporation's in-house disaster prevention unit for each work.
Drills within the work	Once/month Implementation of the drills for each group according to the annual schedule

A scene of disaster and prevention drills (Iwakuni-Ohtake Works)

A scene of disaster and prevention drills (Ichihara Works)

Internal Safety Policy for High Pressure Gas

Mitsui Chemicals has obtained certification for its safety practices in 55 facilities of four works, which are based on the high pressure gas safety laws. In this judgment, a minister certifies the qualifying works, taking particular note of the arrangement of the safety controls and the implemented policies and results regarding the high pressure gas facilities. Certification has been attained after a full-scale examination in relation to our internally developed technology in the facility, operation of equipment, and safety controls.

Name of Works	Certified date	Number of certified facility
Ichihara Works	2/22/1999	22
Osaka Works	8/1/2000	28
Iwakuni-Ohtake Works	9/1/1997	4
Yamaguchi SM Plant	6/7/2001	1

Recent Accidents and Counter Measures

Fires occurred in the paint resin manufacturing facility of the Osaka Works in fiscal 2000, and in the toner resin manufacturing facility of the Ichihara Works' Mobara center in fiscal 2001.
In each accident, there was no injury to personnel, but partial damage to the facility occurred. Steps have been taken so that similar accidents do not reoccur. On these occasions accidents resulted from the formation of an explosive mixture of air in the presence of static electricity as an ignition source. Safety checks have been completed in similar facilities.

Measures Against Static Electricity and Explosive Mixing

Full-scale efforts have been attempted to verify and implement the following measures.

1. Basic matters common to all works
   Do not allow an explosive mixture of air to form in any tank, vessel or vent line handling flammables. Static electricity measures such as de-electrifying in dangerous facilities should be undertaken.
2. Maintenance of technical standards for each work
3. Maintenance of work standard instructions based on the technical standards

Commitment to Occupational Health and Safety

Mitsui Chemicals has given a top priority to ensuring safety, and has as a goal the development of an appropriate work environment and the securing of employees' health through voluntary practices. Further, the company has been working towards OHSAS18001 certification regarding occupational health and safety.

Commitment to Occupational Health and Safety

Securing of occupational health and safety is an important issue for a corporation. An effort has been addressed in Mitsui Chemicals.

Occupational Safety

- Implement examination meetings for periodic presentation of occupational accident case studies involving the whole works and laboratories.
- Convey and make known an effective accidents prevention case study at works general managers' meetings and the environment safety general manager's meetings.
- Special guidance for work where the frequency of the occupational accidents is high.

As a result the number of lost time injuries is on the decline.

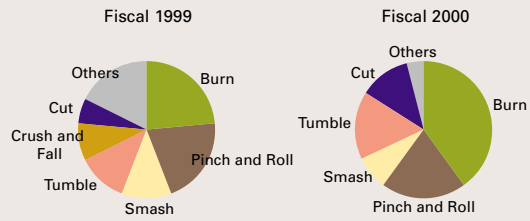
Occupational Health

- Standardize occupational health management levels throughout all works and laboratories.
- Construction of a mental health care promotion system
- Achieving on-target health guidance by compiling a database of medical check-up results

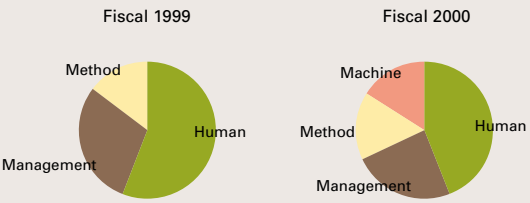
A lost time disease is on the rise to some extent due to aging of employees.

In the future, the company shall be making every effort to enhance occupational health and safety.

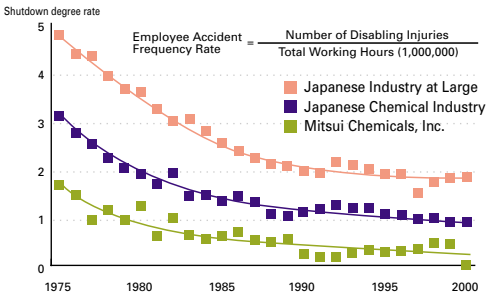
Type Description of Occupational Accidents



Factors of Occupational Accident



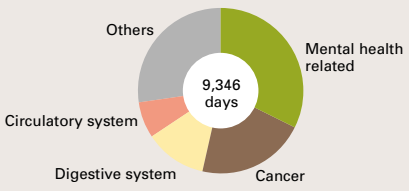
The Employee Accident Frequency Rate



• EHS Activities

Ichihara Works	Works general manager safety dialogue Training for workplace SE Checks and improvements of unsafety work
Nagoya Works	Evaluation and reduction of risk for work and facilities (Acquisition of OHSAS18001) Contractor safety management evaluation and correction
Osaka Works	All checks and correction of contractor management system Case study examination meeting with all employees participating
Iwakuni-Ohtake Works	Utilization of cutting method for cutting error chains Communication and investigation of accident
Omuta Works	Eradication of *YYK* (*Yaritakunai*: Do not want to do, *Yarinikui*: difficult to do, *Komatteiru*: get in trouble) work Workplace checks by the management and contractors
Laboratories	In-depth discussion of accident case studies Rate evaluation of observation of a place-of-work charter

Lost time disease description in fiscal 2000



Management of Occupational Health

Various approaches to occupational health management have been addressed, with the health administration department of the head office, works and laboratories all playing a major role.

Health Management

The company has understood the employees' health conditions through medical check-ups and health measurement. Various measures leading to health enhancement have been developed along with preventing sickness or injury through health guidance based on the results of such investigations.

Control of the Work Environment

The company has been making an effort to develop and maintain a comfortable work environment. By measuring and evaluating of aspects of the work environment for the purpose of securing an appropriate environment by removing various hazards.

Improvements for the Workplace Environment

The company has been making an effort to improve the workplace environment on the basis of various medical check-up results, work environment measurements and health impact results along with input from industrial doctors and health managers patrolling the workplace. The clerical department has been also developing an aggressive approach to make a thorough distinction between where people can and cannot smoke, and to the correct VDT work.

Mental Health Promotion Activities

Mental health is an important issue, responsible for 32% of lost time disease. The company has begun to adopt a strategy by releasing a "mental health promotion plan" in October 2000.

In fiscal 2000, the company has mainly carried out system maintenance of the health administration department, and education of managers in production line with an eye to reinforcing mental health responsive functions. In the future, this activity is scheduled to develop for each hierarchy in the education system for each place of business.

Mental Health Promotion Plans (fiscal 2001)

1. Full Public Relations
2. Support for Mental Health related Education
3. Support for the Mental Health Responsive Functions of the Health Control Department
4. Maintenance of the Workplace System

• Special medical check-up available observation rate (Check-up rate 100%)

Related laws	OPOSP*	OHSCS*	Others
Available observation rate in the numerical standard	2.1	0.1	0.4
Available observation rate along with workplace hazards	0	0	0

• Work environment measurement results

Hazard environment	Number of measured place	Control classification I	Control classification II	Control classification III
OPOSP* relation	98	99.0	1.0	0
OHSCS* relation	33	93.9	3.0	3.0
OPDH* relation	5	80.0	20.0	0

* OPOSP : Ordinance on Prevention of Organic Solvents
OHSCS : Ordinance on Prevention Hazards due to Specified Chemical Substances
OPDH : Ordinance on Prevention of Dust Hazard

After improvements

Before improvements

Improved of ventilator-efficiency for resin fumes issue (Iwakuni-Ohtake Woks)

Mental health consultation (at Head Office)

• Mental health-related education

Education name	Hour
Freshmen's mental health education (Essential)	One hour
Workplace mental health education (Option)	One hour
Group leaders' and foremen's mental health education (Essential)	3 hours
Manager mental health education (Essential)	4 hours
Line manager mental health induction course (Option)	8 hours
Mental health persons in charge of induction course (Essential)	6 days

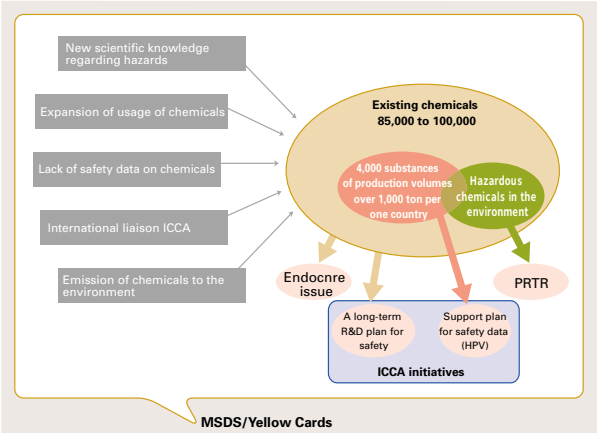
Mental health education (Osaka Works)

Commitment to Product Safety

Product safety provides a platform from which to consistently achieve and promote goals in each field of RC of environmental preservation, process safety and disaster prevention, occupational health and safety, and quality.
Mitsui Chemicals has been cooperating with activities such as industry, the organization and the government in view of its importance, and striving to ensure the safety of chemicals.

Comprehensive Management of Chemicals

Scientifically unresolved issues involving the safety of chemicals have occurred on a global scale, an example being the recent year's endocrine disposal issue.
As for chemical control, the development of safety evaluation technology and the full maintenance of safety information have been advanced through international cooperation with industry, academia and government.
Mitsui Chemicals has been aggressively participating in this process through international cooperation conducted between government and the industry as well as having undertaken a proactive program of safety evaluation of our company's products and the maintenance of information.



HPV (High Production Volume)
An OECD program to obtain and evaluate safety data regarding existing chemicals with production volumes over 1,000 tons in one country, and preparation of a report.

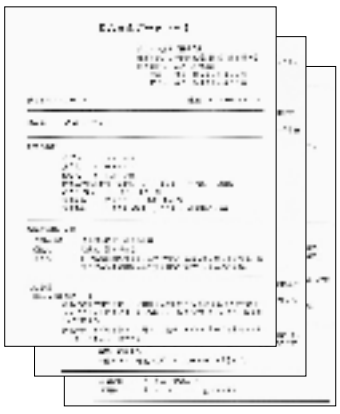
LRI (Long-Range Research Initiative)
This is a "proactive long-term research plan into the impact on health, safety and the environment", which was approved in the ICCA Prague general meeting in 1998, and in Japan. JCIA has played a great part in promoting this initiative.

Safety Information

Mitsui Chemicals has made information on safety with regard to our products widely available to relevant persons.

MSDS

It became mandatory to provide a MSDS (Material Safety Data Sheet) following the passage of three laws, namely the Law on Industrial Safety and Hygiene from 2000, PRTR law and Poisonous and Deleterious Substances Control Law. Mitsui Chemicals has prepared for the MSDS not only the products required by law but also all company products, and has provided them to relevant persons. In addition, the description form has adopted the preparation guidelines of the Japan Chemical Industry Association (JCIA) based on ISO.



MSDS

Warning Indication Labels

We have attached our own "Warning indication label" to product containers, urging caution when handling contents. Hazards involved with the products and handling information are displayed on the warning indication labels, and our own standard has been established in reference to the internationally recognized standards.

Warning indication labels

Commitment to Endocrine Disrupting Chemicals Issues

Bisphenol A and Nonylphenol, as our company products have been named on the 65 substance list prepared by the Ministry of Environment, have been suspected of acting as endocrine. The company has been addressing these products in the following way.

Bisphenol A

Mitsui Chemicals cooperates internationally with domestic manufacturing companies and Euro-American industries. The company has also been in liaison with domestic polycarbonate and epoxy resin industries. The focus of discussion has been whether or not low-dose of this compound can have a potentially hazardous impact on human and wildlife reproductive functions. Since the inception of the test developed by Doctor von Saale at the University of Missouri in the U.S., research has been conducted by industry, academia and government scientists. Japanese-American-European enterprises have been tackling this problem in a joint research effort, and various tests investigating the impact of low-dose Bisphenol A have been performed. We have announced in academic circles and specialist journals that low-dose of BPA produced no discernible effect. Furthermore, the company has implemented a three generation reproductive toxicity test using rats, and has verified that there are no signs of impact with low-dose of Bisphenol A.

This result has been announced and highly scrutinized at each international conference in the U.S., Europe and Japan held from October to December 2000 by a responsible person from the research institute in which the test had been conducted. On the other hand, the NTP (National Toxicity Program) in the U.S. held a meeting to investigate the problem of chemicals which disrupt endocrine function at low concentrations in October 2000, and the test results announced so far have been examined. The results have been published as an NTP report in June 2001, and taking our test result into consideration, the report came to the conclusion that further research is needed because the results of Doctor von Saale et al. can not be denied. In addition, risk evaluation of Bisphenol A has been advancing in both Europe and Japan, but debate has focused on the presence or absence of impacts arising from exposure to issues low concentrations, as well methods of testing and analysis. Further studies will determine whether or not there are hazardous impacts on reproductive functions at low levels of exposure. In the future, we believe a scientific examination of the action mechanism will be required.

A safety information brochure

Mitsui Chemicals has been performing many tests in conjunction with international organizations, and has summarized the safety information based on those results, and has been providing them to our customers and society at large. Toward the future, the company will make an effort to store and provide safety information while conducting tests in order to resolve problems in conjunction with related domestic and overseas industries.

Nonylphenol

The company has been collecting safety information, and making it public together with domestic manufacturing companies and Japan Surfactant Industry Association which is a main source of demand for this product. The Ministry of Environment has published the risk evaluation results of nonylphenol on fish, and established that the reduction of nonylphenol emission volumes into the environment is necessary. Up until now, Japan Surfactant Industry Association has conducted a campaign for the reduction of discharge. According to the results of monitoring for the past three years on first class rivers by the National Land and Transportation Ministry announced in July 2001, the concentration of nonylphenol has been on the decline year by year, and the company thinks that the results of proactive efforts have come out at 17 locations out of 131 locations in the detected location in 2000.

In the future too, the company has been making an effort to reduce nonylphenol emission volume in cooperation with related industries.

International Corporation

Chemicals and products which are used as raw materials in the manufacture of various products have been widely distributed on the international market. In addition, transportation at the manufacturing stage involves many countries.

Further, in the event of chemical pollution, the damage area may spread beyond one country or region.

Mitsui Chemicals has been aggressively participating in international cooperation for these reasons.

Proper Responses to HPV

To date the OECD has been promoting the maintenance of safety information on HPV (over 1,000t) chemicals. However, since delays have occurred in the actual sledding, this activity has been promoted under a chemical industry initiative. The industry adopted this position at the meeting of the board of the International Council of Chemical Associations (ICCA) in October 1998. The subject substances are those produced in quantities of over 1,000 tons at more than two locations in at least three areas of Japan, the U.S. and Europe. Approximately 1000 substances were listed, and it is intended that this safety information will be in place by 2004.

The safety information consists of a possible range of information comprising 23 items (SIDS: Screening Information Data Set) in relation to physical and chemical properties, environmental impact and impact on human health.

In Japan, JCIA plays a key part, and Mitsui Chemicals also has been actively participating in the program.

At present, Mitsui Chemicals handles 45 of these substances, and preparation of a report into the first three substances is under way. The company is now preparing a report on tetramethylpiperidinol, an intermediate of a optical stabilizer, which is scheduled to be submitted to the OECD evaluation council (SIAM13).

In the future, the company will address the maintenance of safety information on our company's other relevant products.

Commitment to Quality

Mitsui Chemicals has obtained ISO9000s in all works, and has been addressing quality management. The company has been addressing an important problem to reduce complaints in response to the revision of ISO9000s in 2000.

Responses to Complaints

In addition to customer satisfaction, complaints related to quality should not exist from the point of the product safety. From this point of view, the company has been making an effort to reduce complaints as an essential problem.

Implementation of General Manager Audits

The complaints were used to undertake audits implemented by general managers in an effort to make quality improvements. By doing this, the company has been promoting reduction in the level of complaints, in the light of the annual plans of the divisions and works.

Prevention of Similar Complaints

Quality improvement case studies for each works are collected and evaluated, and out of this, the case study, which is effective in preventing the complaints, has been shared with each works.

Self-recovery of Fumigant for Soil Disinfection

In a fumigant containing chloropicrin (a deleterious substance) used for soil disinfection, complaints about odor occurred due to material oozing from a defective container, and self-recovery and replacement were implemented. Oozing results from welding defects in containers; measures were taken against the problem recurring.

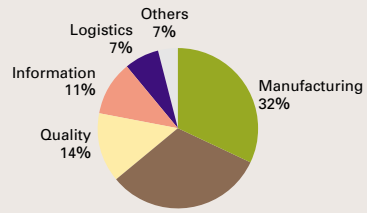
Computerization of the Complaint Handling Process

The company has been developing a system for entering complaints into a database, in which information can be handled more easily.

Acquisition Status of ISO9000s

The company is ready for the year 2000 revision of the ISO9000s standard. This revision requires "continuous improvements" and "customer satisfaction". As for "continuous improvements", a system, which attempts to produce improvements in a planned manner, was developed in compliance with the PDCA cycle of management system. As regards "customer satisfaction", a system which makes use of information from customers, including complaints, was adopted.
Furthermore, in the works having ISO9002 certification, the prototype process for new products is incorporated into the system, and accommodates "design and development".

Breakdown of Complaints (Fiscal 2000)



• Audit results

Audit matters	Evaluation	Issue
A contract with customers	Non-concluded products available	The contract shall be definitely concluded.
Entrusted party	There are few divisions that have audit plan.	Attempt to improve the audit implemented rate and to enrich the audit contents.
Complaint handling	Insufficient in the cause analysis	Handling based on the complaint handling system shall be performed in a prompt and positive manner.
Control of documents and records	Storage periods for documents and records are imprecise.	It shall be maintained according to instruction.

Audits

• ISO9000s acquisition status

Works	Type of standards	Examination entry numbers
Ichihara Works	ISO9002	JQA-0311
・Mobara Center	ISO9002	JQA-QM6451
Nagoya Works	ISO9001	JCQA-0164
Osaka Works	ISO9002	JCQA-0199
・Yamaguchi SM Plant	ISO9002	JCQA-0683
Iwakuni-Ohtake Works		
・Petrification chemicals	ISO9002	JQA-0285
・Pellicle	ISO9001	00QR・287
・Piping system	ISO9001	96QR・020
Omuta Works	ISO9002	JCQA-0692

Commitment to Logistics Safety

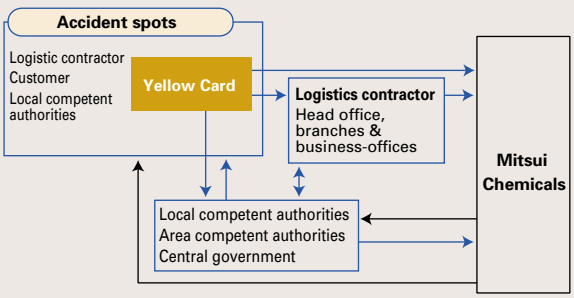
As a commitment to logistics safety, the company specifies the rules, and has attempted to make it known that the MSDS shall be distributed and all drivers shall carry the Yellow Card in transportation.
In addition, the company has been developing the means to keep disasters such as transportation accidents to a minimum, and has been making every effort to ensure safety in transportation.

Commitment to Logistics Safety

Mitsui Chemicals has prepared the "Environmental and safety control instructions", the "MSDS distribution in the logistics department", the "Yellow Card management rule" and the "Audit rules for logistic cooperation companies", has provided the Material Safety Data Sheet (MSDS) to logistical contractors, and has made it obligatory for them to carry the Yellow Card in transportation.
Based on the logistic safety annual plan, the company has conducted education of the logistic contractors companies, and also has undertaken measures that the management status audit of each company operation requires to be conducted at regular time intervals. In addition, the company has been making an effort to secure the preservation of the social environment while addressing the prevention of accidents, uniting the whole company and the companies involved in logistical operations into one body by conveying safety information to the cooperating companies at the "preservation promotion meeting", the "disaster prevention council", etc. in each work, or at the "logistic council" in the head office and branches as well as studying the accident cases.

Yellow Card
The Yellow Card shall be carried in transport truck for drivers, fire-fighting and police in an emergency.
Description items as follows:
- Property of chemicals
- Safety information
- Emergency handling procedure
- Notice and contact section

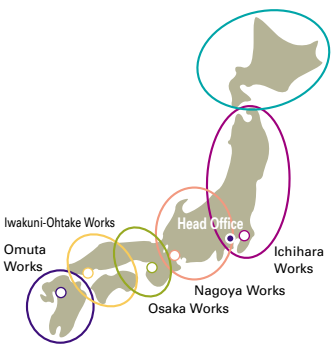
MENET Emergency Network



Logistics Emergency Response

In the event of accidents happening during the transportation of products, the company has laid down the MENET(Mitsui chemicals Emergency measure covering NETwork) ready for the emergency.
Dividing the domestic area into six, in the event of an accident, the company has evolved a system so that speedy handling can be achieved by mobilizing from the work in charge of production and by offering support from the nearest work.
Further, emergency disaster prevention materials for companies involved in logistical cooperation are ready to be dispatched to the accident site.

MENET Support Bases




Emergency Drill

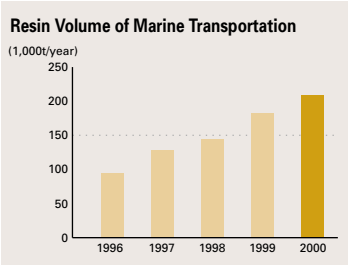
Implementation for Education and Emergency Drills

All relevant employees undergo education and training to maximize safety. Further, a periodic drill has been conducted in conjunction with the transportation companies.

Promotion of Modal Shifts

The company has been making such as packaging materials and transportation tools such as flexible containers, ISO containers and pallets. In addition, the company has been addressing ways of reducing environmental load while promoting cooperative transportation with other companies and the modal shift that utilizes the logistic organization with less environment load.

Resin Volume of Marine Transportation



The shift of resin-transportation from by truck to ship, is on going, which results in less environmental load.

Communication with Society

Mitsui Chemicals has been making every effort to develop local community in accordance with corporate vision of "Contribution to local communities".
In addition, the company is attempting to maintain good communications with all stakeholders by publishing information through a variety of channels.

Communication with Regions

Plant Tours

Work tours have been a core means of communication with surrounding regions. These tours have been held several times a year with participation from the area resident association, the women's association and elementary school students to high school students. Numbers of visitors on tours totaled approximately 4,400 persons at all five works.

Plant tours
(Ichihara Works)

Plant tours
(Iwakuni–Ohtake Works)

Direct Dialogue with Local Residents

Each works attempts to make periodic contact with local representatives such as the resident association, and has been endeavoring to respond to various demands.

Regional Council

The company held meetings for the exchange of opinions between regional council and the Omuta works in November 2000. The following impressions and opinions became apparent.

- Gained understanding that the smoke of incinerator was in fact only (water-vapor) steam.
- The impression was gained that the interior of the works was cleaner than expected.
- The company should coexist with the community without pollution.

The company will undertake to gain a better understanding of the issues facing the local community.

Public relations magazines

Local Public Relations Magazines

In order to facilitate communication with the local community, public relations magazines have been issued in each works. An introduction to business activities and information on RC are provided.

Environmental Voluntary Activities

Employees' voluntary activities such as clean-ups, and proactive clean-up activities sponsored by the autonomous body have been implemented for local environmental preservation in each works.

Clean-up activities of Ichihara Works

Participation in Regional Activities

Events sponsored by the works have been conducted as a rooted enterprise to the region. The company has also actively engaged with the regional council at each works.

Participation in Iwakuni City's Environment Events

In June 2001, Piping System Department of the Iwakuni-Ohtake Works participated in displays which were part of an annual environmental event organized by Iwakuni city. Approximately 200 citizens have visited the exhibition. Our company has introduced the activities of Mitsui Chemicals and part of the product range relevant to issues of environmental preservation, including the Elmex hot water supply exhibition and a connection demonstration.
In addition, the company has distributed "RC report 2000" to applicants.

Exhibition Booth

Participation in Planning of JRCC Regional Explanatory Meetings

In order to make RC familiar to local people, the Japan RC Council (JRCC) has held regional explanatory meetings in nation-wide petrochemical complexes.
Mitsui Chemicals is a member of JRCC, and has been making every effort to help local residents understand the RC program.

RC explanatory meeting(Ichihara Works)

• Regional Communication Examples in Each Works

Works	Participation in regional council	Events sponsored by Works	Awards from the area	Dispatching lecturers to other regions to address the public
Ichihara	Director of Chiba prefecture high pressure gas preservation council Director of Chiba prefecture labor standard association joint association	Mitsui Chemicals festival	Police operation cooperation rewarding services (Ichihara police)	Boiler association training meeting Lecture meeting on safety measures in relation to high pressure gas Chiba Labor Ministry staff member workshop
Nagoya	Vice chairman of Aichi prefecture high pressure gas safety association Chairman of Nagoya city area petroleum complex special disaster prevention council	Sports Day Softball meeting	Recognition from the Land, Infrastructure and Transportation Ministry for national road cleaning	A part-time assistant instructor to Nagoya university
Osaka	Chairman of Sakai Senboku waterfront special disaster prevention region council Vice chairman of Takaishi disaster prevention council	Boys' baseball game Girls' kick baseball game Bon festival	Japan Red Cross golden Medal for Merit	Dangerous object handler peace preservation lecture meeting High pressure gas technique lecture meeting
Iwakuni-Ohtake	High pressure gas preservation council Chugoku chief Leader of Hiroshima prefecture and Yamaguchi prefecture disaster prevention headquarters council, etc.	Mitsui Chemicals autumn festival	The persons who acquired the ordinary emergency life guard A letter of appreciation from fire headquarters for against (consecutive 20 years)	High pressure gas, dangerous substances lecture meeting "RC explanation meeting" at Yamaguchi district prosecutor's office
Omuta	Chairman of Kyushu region high pressure disaster prevention council Leader of Pressure group for peace Kyushu branch.	Mitsui Chemicals autumn festival	Traffic safety association merit medal	Lecture meeting for all chief operators on high pressure gas

Communication with Employees

While Mitsui Chemical emphasizes communication with society, we believe communication with employees is also important.
We believe the activities expected of Mitsui Chemicals as a good corporate citizen can be achieved by gradually implementing various measures in cooperation with our employees.

Fostering Human Resources

In an attempt to satisfy both the "realization of a corporate mission" and the "realization of a rich life for employees", the company has been carrying out education and on-the-job training sponsored by the OJT education and human resources department, the head office of each department, each works and the Laboratories. In doing so, the company has established an effective system and aims at realizing the objective of "raising the potential and aspirations of company members".

Rotation System to Raise Skill Levels

The company has established a system to foster the development of management personnel who can lead the Mitsui group in the future, as well as raising the skills of specialist personnel to a high level. This involves the rotation of personnel around different workplaces and duty assignments.

Selective Type of Induction Course System

The company has provided a one-on-one system to instill a responsible attitude in our employees. To achieve this, we have developed a versatile education curriculum including languages, management, sales, job skills, production technology and information processing that helps individual employees to develop their own skills and talents. Employees enjoy the support of the company which aids them in making the necessary arrangements so they can attend the classes as well as reducing the costs involved.

Widespread Distribution of In-house Information

The company has been distributing information as widely as possible within the organization by publishing a monthly in-house magazine called "MCI net". In particular, with regard to RC, some topics such as awards, the acquisition of certification and training programs are reported. Further, by reporting employee's opinions expressed through roundtable discussions and debated in print, we have been able to create an in-house magazine that facilitates two-way communication.
In addition, the company has used the magazine to set out information regarding company rules, personnel relocation, chemical products, etc., and has been able to make this information more widely and freely available.

Participation in RC Planning by the Labor Union

We have been holding an "EHS forum for labor and management" twice a year, and have ongoing active discussions on environment and safety. To be more specific, the two parties exchange opinions in detail about topics ranging from mid-term plan explanations, such as the factor analysis results on workplace accidents or occupational health results, to the approaches taken with occupational health, health regulations and mental health. Recognizing the important roles and relationships between labor and management, the company has effectively managed relations between both parties to achieve concrete and positive results.

A report on a forum issued by the labor union

In-house magazine "MCI net"

Responsible Care Report 2001

This report has been prepared with reference to Environment Ministry and GRI guidelines, and has aimed to report the activities of the Responsible Care program exhaustively. We value your opinions, and we think that we will make an effort to have the fully future Responsible Care and the report.

Inquiry contact
Mitsui Chemicals, Inc.
Corporate Communications Division
3-2-5, Kasumigaseki, Chiyoda-ku, Tokyo 100-6070 JAPAN
TEL: +81-3-3592-4060
FAX: +81-3-3592-4211
http://www.mitsui-chem.co.jp/

Responsible Care®

MITSUI CHEMICALS, INC.

3-2-5, Kasumigaseki, Chiyoda-ku, Tokyo 100-6070 JAPAN
TEL: +81-3-3592-4060 (Corporate Communications Division)
FAX: +81-3-3592-4211
http://www.mitsui-chem.co.jp/