

The Mitsui Chemicals Group's Business Categories and Main Products

This section looks at the role of the Mitsui Chemicals Group, and our main businesses and products, in each sector.

Packaging Materials

Drinks bottles, packaging for food, detergents, cosmetics, and pharmaceuticals

- Mitsui PET™ resin
- Polyethylene (Evolue™), etc.
- Polypropylene (Prime Polypro™)



Mitsui PET™ resin is used in a wide range of containers, including drinks bottles and food packaging.



Thanks to their outstanding rigidity and strength, Evolue™ films are used for purposes such as functional packaging for food and everyday items.

Basic Chemicals

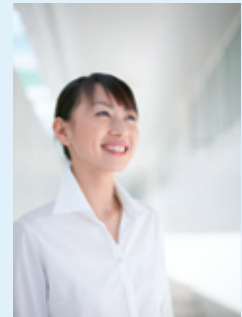
Raw materials for polyester fibers

- Purified terephthalic acid (PTA)

Phenols

- Polycarbonate resins

PTA is the raw material used to make polyester fibers, which in turn are used in clothing.



Industrial and lifestyle materials

for a more convenient and stable life
(Clothing, food, housing materials, etc.)

Our global supply network provides wide-ranging support for social infrastructure and people's everyday lives.

Semiconductor process materials

Wafer back-grinding protective tape

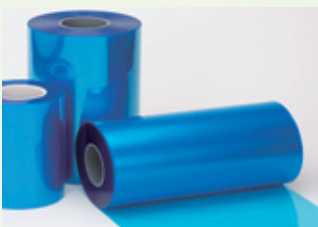
- ICROS™ TAPE

Dust-proof photomask covers

- Mitsui Pellicle

Etching/cleaning gas

- Nitrogen trifluoride



ICROS™ TAPE is designed to protect the surface of wafers from backgrinding during wafer processing as part of the semiconductor manufacturing process.

Everyday and household films

Preserving film for fresh food

- Spash™

Fast biodegradable film

- Palseal™ CB



In addition to preserving fresh food to keep it fresh, Spash™ can also be used to prevent fruit, vegetables and flowers from wilting or losing their color.

Disposable diapers and everyday items

Nonwoven fabric

- SYNTEX™

Breathable film

- ESPOIR™

Synthetic pulp

- SWP™



ESPOIR™ nonwoven films are used to make disposable diapers, thanks to their outstanding breathability.



Thanks to its heat sealability, SWP™ pulp is used in packaging for a wide range of medical applications and food products, such as teabags.

Materials for eco-friendly vehicles

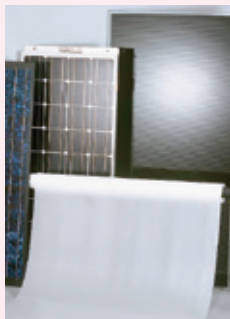
Lithium ion battery components

- MiReT™ (electrolytes)
- CHEMPEARL™ (electrode binder)

Solar power components

Solar cells

- SOLAR EVA™
- Monosilane



High durability SOLAR EVA™ plastic sheets are used to encapsulate the entire base of each solar cell, in order to protect the cell.

Lightweight automotive materials

Adhesive polyolefins

- ADMER™

Olefin copolymers

- TAFMER™



In combination with barrier resins, ADMER™ polyolefins help to prevent leaks from fuel tanks and reduce the weight of tanks themselves.



TAFMER™ improves the shock resistance of automotive plastics so that they can be used in place of metals to help make vehicles lighter.

New energy and environmental materials

for a more environmentally friendly life

(Solar power, biomass, etc.)

We do our bit to help solve key issues facing mankind, by providing environmental solutions in new growth markets for instance.

Biomass chemicals

Biopolyurethane

- ECONICOL™

ECONICOL™ is a polyurethane made from plant-based materials and is used in products such as furniture, bedding and car seat cushions.



Health and high quality materials

for a comfortable, high quality life

(Healthcare, catalysts, agrochemicals, etc.)

We create high quality products in order to contribute to areas such as healthcare, elderly care, agriculture and catalysis science in new and different ways.

Pharmaceuticals

Energy drinks

- Taurine

Taurine is an amino acid that helps to produce the energy we need to keep us alive and enables various metabolic processes. It is used in products such as energy drinks.



Agrochemicals

Agrochemicals

- Aniki™ emulsion pesticide
- Afetto™ flowable pesticide

Hybrid rice seeds

- Mitsuikari 2003 and 2005



Mitsuikari 2003 and 2005 are late-flowering, high-yield strains of rice that taste great.



Aniki™ is an environmentally friendly emulsion pesticide whose active ingredients break down easily after application in order to protect crops.

Lens materials

High refractive index optical lenses

- MR™ series



The MR™ series consists of raw materials for high quality optical plastic lenses, combining a high refractive index with superior shock resistance.