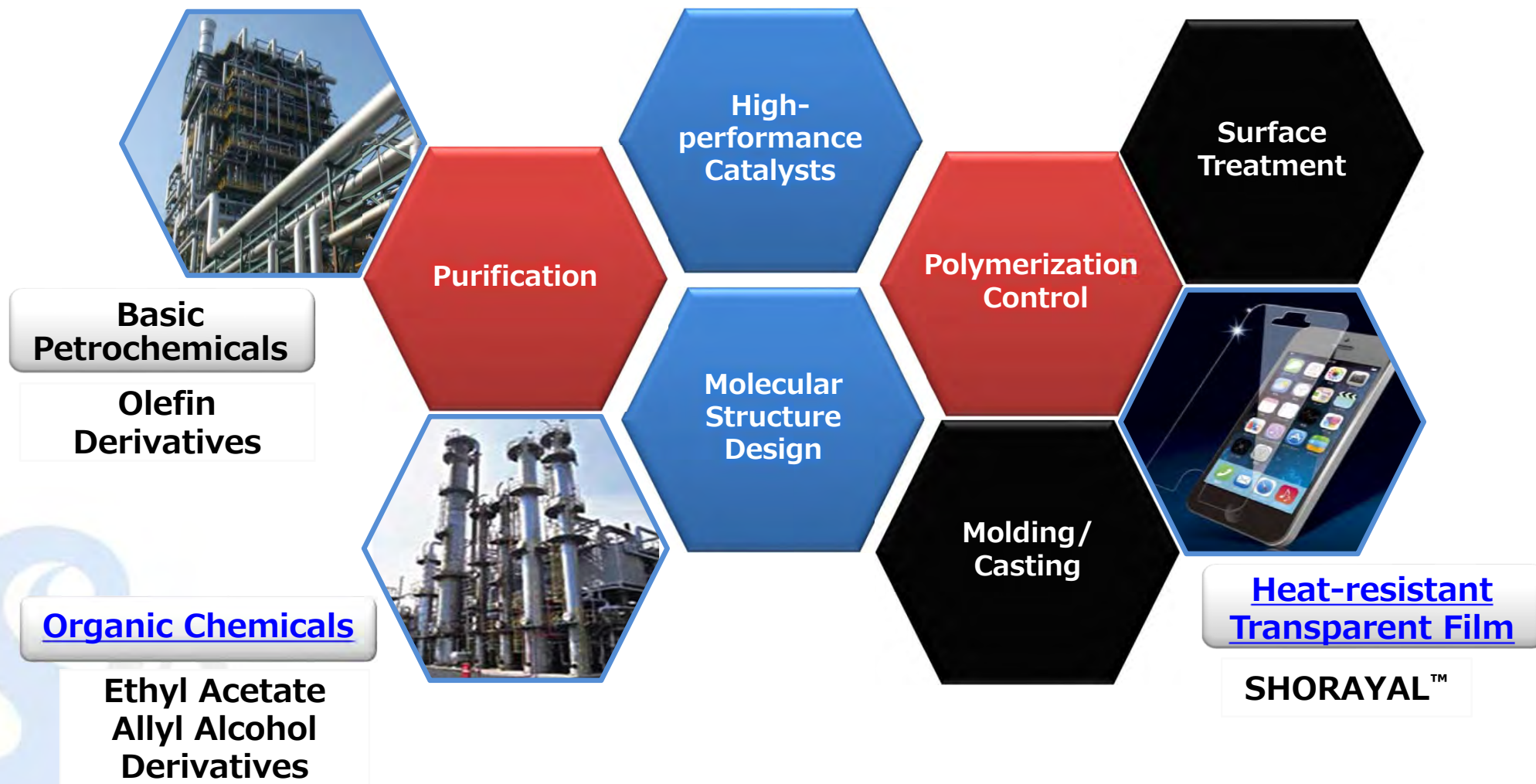


- 技術 Material Design Technologies
- 技術 Synthetic Process Technologies
- 技術 Manufacturing Process Technologies

Common Technologies: Center
Peculiar Technologies: Next to the Products



Example products

Ethyl acetate

⇒ Printing ink, paint, thinner, adhesive

Vinyl acetate

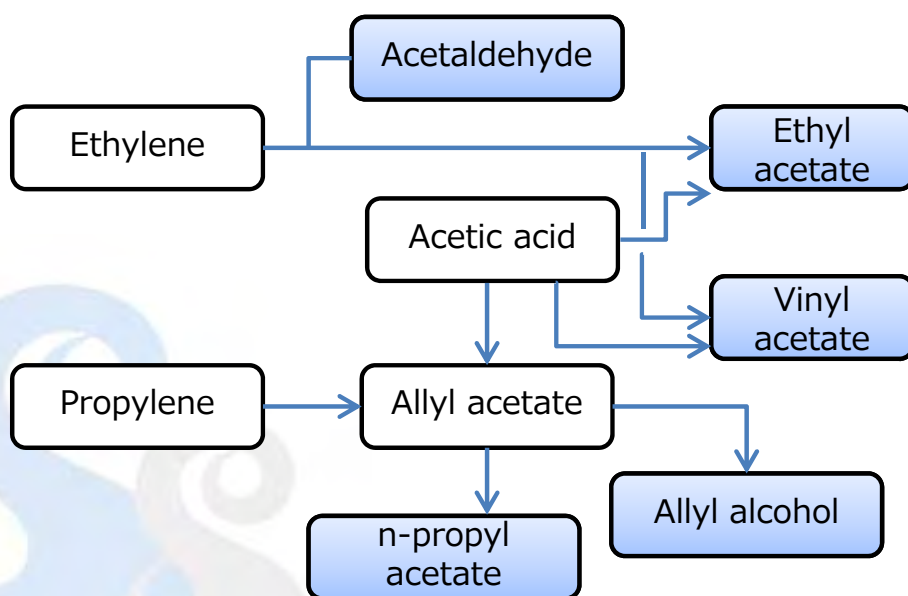
⇒ Raw materials for PVA, EVA, paint

n-propyl acetate

⇒ Printing ink, paint, thinner

Allyl alcohol

⇒ Raw materials for ophthalmic lenses, perfume material, intermediate of medicine, epoxy resin, PBT



Our technologies

We own the following technologies:

- Catalyst design
- Catalyst analysis
- Catalyst performance evaluation

Using the catalysts we have developed, we are promoting the acetyl chain business at the Oita complex.



Ethyl acetate plant

Heat-resistant Transparent Film

~ SHORAYAL™ ~



昭和電工株式会社

Example products

Taking advantage of its high transparency and heat resistance, the film is expected to be applied to display-related components.

Example of application to protective film "SHORAYAL-GUARD™"



Mobile device

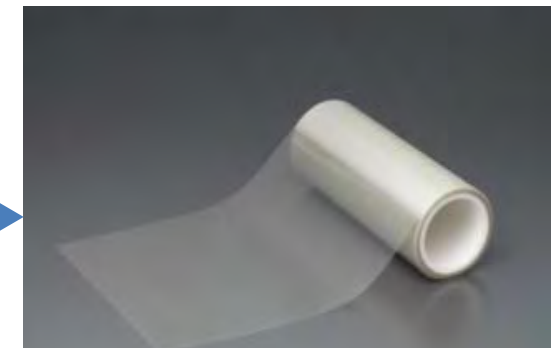
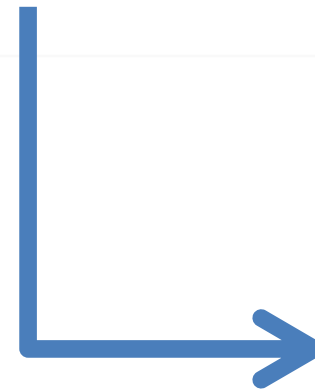


Flexible display

Our technologies

Molecular/catalyst design technologies combined with polymerization/molding/surface treatment technologies enable the manufacture of functional films superior in transparency and heat resistance.

- **Molecular design technology**
+ Property control
- **Molding control**
+ Roll-to-roll film formation
- **High-performance catalyst technology**
+ Polymerization control
- **Surface treatment technology**
+ Functionalities added (Hardness, tactile impression, optical characteristics)



SHORAYAL™