

Adaptation

*Reduction of climate change impacts through disaster prevention, etc.

Air conditioners / Refrigerators

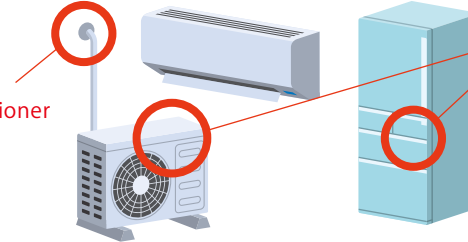
Functional Materials business

Market scale **Large**

Demand for base material for refrigerating oils, a lubricant for refrigeration equipment, and polybutene for air conditioner putty is expected to increase due to the global increasing need for air conditioners and refrigerators accompanying rising temperatures. The refrigerating machine oil sold by NOF is for alternative CFC refrigerants and contributes to climate change adaptation.

End uses of the NOF Group's products

For putty on air conditioner pipes
(Polybutene)



For lubricants used in air conditioners and refrigerators
(Base material for refrigerating oils)

Diagnostic pharmaceuticals / Pharmaceutical raw materials

Functional Materials business

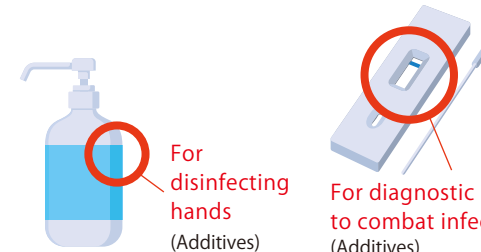
Life Science business

Market scale **Large**

Due to climate change, there are concerns about the spread of tropical infectious diseases and other diseases and disorders. Therefore, demand for pharmaceutical raw materials is expected to increase due to the rise in disinfectants and additives for diagnostic pharmaceuticals to combat infectious diseases as well as the number of pharmaceutical products against diseases and disorders.

End uses of the NOF Group's products

For disinfecting hands
(Additives)



For diagnostic pharmaceuticals to combat infectious diseases
(Additives)

For pharmaceutical ingredients
(Pharmaceutical raw materials)

Environmental information / Disaster prevention and mitigation products

Explosives & Propulsion business

Market scale **Small**

As climate change progresses, the need to survey the entire world, including seawater temperatures, may increase, and the amount of marine instruments, rocket launches, etc., for research may increase. In addition, there may be increased applications for temperature indicator materials (labels, stickers, etc.) for temperature control that change color when a specific temperature is reached. Furthermore, with the increased risk of storm surges and other such conditions, there may be an increase in embankment construction using industrial explosives involving procurement of rocks and soil from mountainous areas.

End uses of the NOF Group's products

For marine instruments and rockets
(Marine instruments, rocket fuel)



To procure soil for embankment construction
(Industrial explosives)

