

Business of Nippon Kayaku Group

* Listed according to the organizational structure up to June 28, 2023.

Functional Chemicals Business

Vision

Contributing to enriched lifestyles and a sustainable society by providing valuable products utilizing our technologies

Contribution to the SDGs



External environment	Nippon Kayaku's strengths	Materiality
Functional materials		
Semiconductor market to grow to 100 trillion yen by 2030	<ul style="list-style-type: none"> Synergies in semiconductor-related products Design of functional molecules 	Providing important and unique materials <ul style="list-style-type: none"> Expansion in semiconductor-related business areas such as substrates, encapsulants, cleaners, and manufacturing equipment Development and launch of resins for use in next-generation communications equipment (low-dielectric materials) Expansion of epoxy resin production capacity
Color materials		
<ul style="list-style-type: none"> Expansion of the digital printing market Expansion of the sensing market Expansion of the dimming glass market 	<ul style="list-style-type: none"> Extensive colorant technologies covering a wide span of fields from traditional dyes to functional colorants Precision organic synthesis 	Contribution to digitalization and resource conservation with our inkjet colorants and functional colorants <ul style="list-style-type: none"> Expansion of industrial inkjet inks, improvement of production systems Mass production and expansion of imaging sensor materials Mass production and expansion of dichroic colorants
Catalysts		
Acrylic acid and methacrylic acid markets continue to grow by 5 to 6%	Optimal customization of catalyst composition and technical services	Providing catalysts with high-yield to contribute to CO ₂ reduction and affluent lives <ul style="list-style-type: none"> Improvement of catalysts for higher yields of acrylic acid and methacrylic acid Secure repeat orders and development of new customers Development of catalysts contributing to a carbon-neutral society
Polatechno		
<ul style="list-style-type: none"> Evolution and expansion of automotive display functions Growing demand for recycling rare metals 	<ul style="list-style-type: none"> Optical and electromagnetic wave control technologies and microfabrication technologies Proprietary high-durability dye synthesis technologies for polarizers 	Light-controlling products made from proprietary materials contributing to the realization of a Super Smart Society <ul style="list-style-type: none"> Expansion of new applications for X-ray analysis device parts / materials and inorganic polarizers Expansion of new in-car applications of highly durable polarizers such as parts / materials for HUDs

Pharmaceuticals Business

Vision

Developing excellent pharmaceuticals and medical devices that provide new diagnostic and treatment opportunities
Stable supply of Biosimilars and generic drugs, contributing to people's health

Contribution to the SDGs



External environment	Nippon Kayaku's strengths	Materiality
<ul style="list-style-type: none"> Pharmaceutical industry vision (quality and stable supply, manufacturing and sales, bio-pharmaceuticals, domestic manufacturing and development, encouraging use) Expansion of the CDMO market Annual drug price revisions 	<ul style="list-style-type: none"> Consistent business operation from R&D to manufacturing, sales, quality assurance, pharmacovigilance and post marketing surveillance Top domestic anti-cancer drugs lineup and specialized MR Manufacturing technology for highly pharmacologically active substances 	New drug
		<ul style="list-style-type: none"> Increasing share for ALAGLIO® in TURBT* Expansion of DARVIAS® scheduled to be launched in FY2022 Maximizing value through drug fostering and evolution
		Biosimilars
		<ul style="list-style-type: none"> Measures to promote biosimilars through the revision of medical fees Expansion of lineup through introduction of new biosimilars
		Generic anti-cancer drugs
		<ul style="list-style-type: none"> Expanding sales of Pemetrexed and Temozolomide Development and launch of the new generic drugs Establishment of a production system to increase generic drug production
Working toward the vision for FY2030		
		Enhancement of pipeline <ul style="list-style-type: none"> Development of new drugs in collaboration with external organizations Introduction of new drugs and medical devices

* TURBT: Transurethral Resection of Bladder Tumor (surgery to remove bladder tumors using an endoscope and excision loop)

Safety Systems Business

Vision

Provide safety solutions to people around the world with products that support changing mobility technologies, and become a global brand that contributes to society

Contribution to the SDGs



External environment	Nippon Kayaku's strengths	Materiality					
<ul style="list-style-type: none"> Global automobile production will recover from the impact of the COVID-19 pandemic, while the impact of semiconductor shortages continues in the short term The installation rate of safety components is increasing, primarily in emerging countries Growing new demand due to EVs, etc. Expansion of applications such as drone transportation, etc., and demands for safety assurances 	<ul style="list-style-type: none"> Technology and inherited expertise to handle explosives safely Industry top-level market share in automotive safety components Global expansion of locations 	Inflators	<ul style="list-style-type: none"> Expansion of production bases for cylinder-type inflators (Japan, China, Malaysia) Expand of sales to customers in China and South Korea Developing next-generation inflators 	Micro gas generators / squibs / pyrotechnic products	<ul style="list-style-type: none"> Securing next-generation module projects from customers Securing increased volume projects, such as for rear seats Expansion of applications such as pedestrian protection and electric current shut-off Consideration of new pyro device applications 	Drone safety components	<ul style="list-style-type: none"> Enhancement of pipeline Expansion of sales of PARASAFE® for 25kg drones launched in 2021 Development and early market launch of PARASAFE® for 15kg drones Development of safety parts for flying cars and large drones
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Drone safety components							
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Agrochemicals and Other Businesses

Vision

Support the food supply, and contribute to the development of sustainable agriculture by continuing to provide excellent eco-friendly agrochemicals and related technologies and services

Contribution to the SDGs



External environment	Nippon Kayaku's strengths	Materiality					
<ul style="list-style-type: none"> Domestic crop protection market remains at the current level, overseas crop protection market is growing due to increased demand for food Introduction of a pesticide re-evaluation system has raised the bar for obtaining and maintaining domestic agrochemical business registration Strategy "MeaDRI" (Sustainable Food Systems) promotes innovation that enables the reduction of agrochemicals (risk conversion) Smart agriculture, development of new low-risk agrochemicals, development of new control technologies and products 	<ul style="list-style-type: none"> Insecticides and soil fumigants in the vegetable and fruit tree domain Formulation know-how (innovative formulations) Operating activities combining technical services and information provision Manufacturing technologies (from raw ingredients to product formulation) 	Japan	<ul style="list-style-type: none"> Flometoquin formulations (FINESAVE®), expansion of FUMON® Expansion of sales by expanding the scope of agrochemical registration Expanding sales of TELONE™, Asahi D-D Response to the agrochemical re-evaluation system for DIAZINON® and other agrochemicals Expansion of contracted manufacturing 	Overseas	<ul style="list-style-type: none"> Rebuilding the EVISECT® business by restructuring the supply chain Registering and expanding sales of Flometoquin preparations 	Working toward the vision for FY2030	<ul style="list-style-type: none"> Development of new innovative formulations Development and introduction of biostimulants Development of new insecticides
		Japan					
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