



Specialty Chemicals

It's all about **the chemistry™**

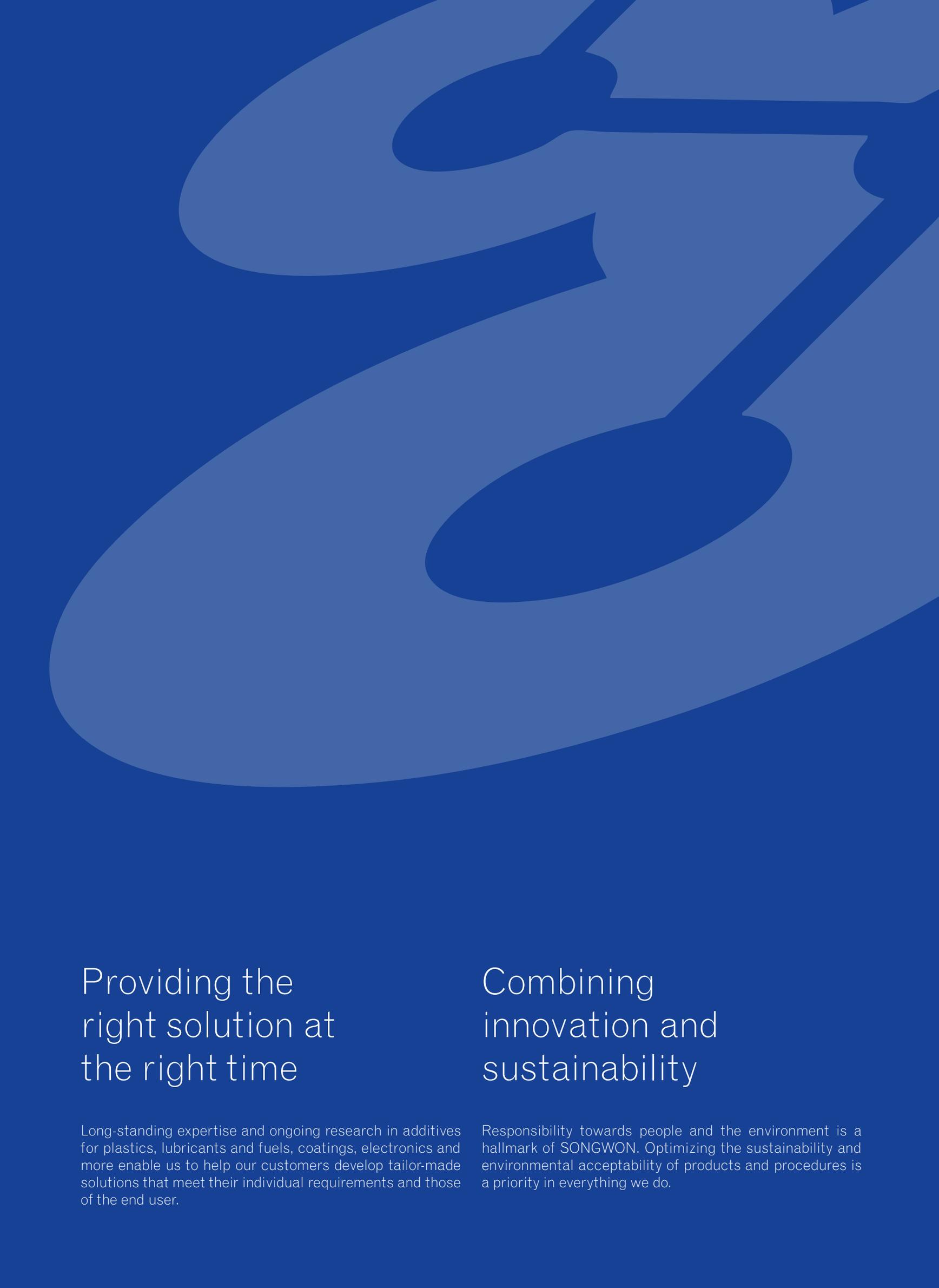




Creating value for customer and consumer

At SONGWON, we are passionate about people. Our committed teams work together with customers to drive new opportunities and set new trends that add value throughout the chain, from manufacturer to end user.

Our clients benefit from a global framework combined with readily accessible local organizations, including customer service offices and technical support centers in numerous different countries. Wherever they are in the world, our customers can reach us easily and count on our availability at all times.



Providing the right solution at the right time

Long-standing expertise and ongoing research in additives for plastics, lubricants and fuels, coatings, electronics and more enable us to help our customers develop tailor-made solutions that meet their individual requirements and those of the end user.

Combining innovation and sustainability

Responsibility towards people and the environment is a hallmark of SONGWON. Optimizing the sustainability and environmental acceptability of products and procedures is a priority in everything we do.



Specialty Chemicals

Specialty chemicals are used for a wide range of industries and applications

Strong focus on research and innovation enables SONGWON to provide new opportunities and help customers in numerous sectors gain a competitive edge.

Recent and upcoming developments include specialty chemicals for fast-moving industries such as electronics, as well as coating additives and functional monomers for a wide variety of applications.

Electrical and Electronics

In order to function, electrical and electronic devices require numerous different chemical products, while others are essential for their manufacture. These include indium tin oxide, pigments, photoinitiators and monomers as well as etching, solder-resist and photo-resist chemicals and separators, electrolyte, lithium salts and many more.

Touch-panels are encountered in an ever-increasing number of digital devices, including smartphones, iPads and digital cameras.

Liquid crystal displays (LCDs) enhance image color and clarity and have allowed the development of flat screens.

Printed circuit boards are today essential in a wide variety of applications such as consumer, industrial and medical electronics, telecommunications, aerospace and automotive.

Research is being carried out to make batteries more powerful and longer-lasting.

Advances in additives facilitate the use of plastics in a growing number of electrical and electronic applications, bringing benefits such as light weight, protection against electric charges, lower electricity consumption, easy cleaning and almost unlimited design options.

In cooperation with Heraeus, SONGWON jointly develops, manufactures and markets high-end specialty chemicals for the electronics industry.

Coating Stabilizers

Coatings not only provide color and texture, but also enhance appearance and prolong useful life. SONGWON works continuously on improving process efficiency, reducing VOC emissions, developing waterborne technologies and meeting increasingly stringent regulatory and environmental directives.

Coatings for automotive and transportation applications need to be highly resilient in order to withstand extreme conditions of temperature both inside and outside a vehicle.

In the architectural sector, paints and sealants for items such as windows, doors, roofs and decks provide a protective and/or decorative layer on surfaces both indoors and outdoors.

Coatings and resins protect furniture and flooring against scratches and help to prevent yellowing and color fading.

Industrial coatings provide ships, oil rigs, factories, equipment and underground pipes with protection against corrosion, abrasion and extreme temperatures.

Coatings are used in agriculture to protect plants from extreme temperatures and to enhance growth.

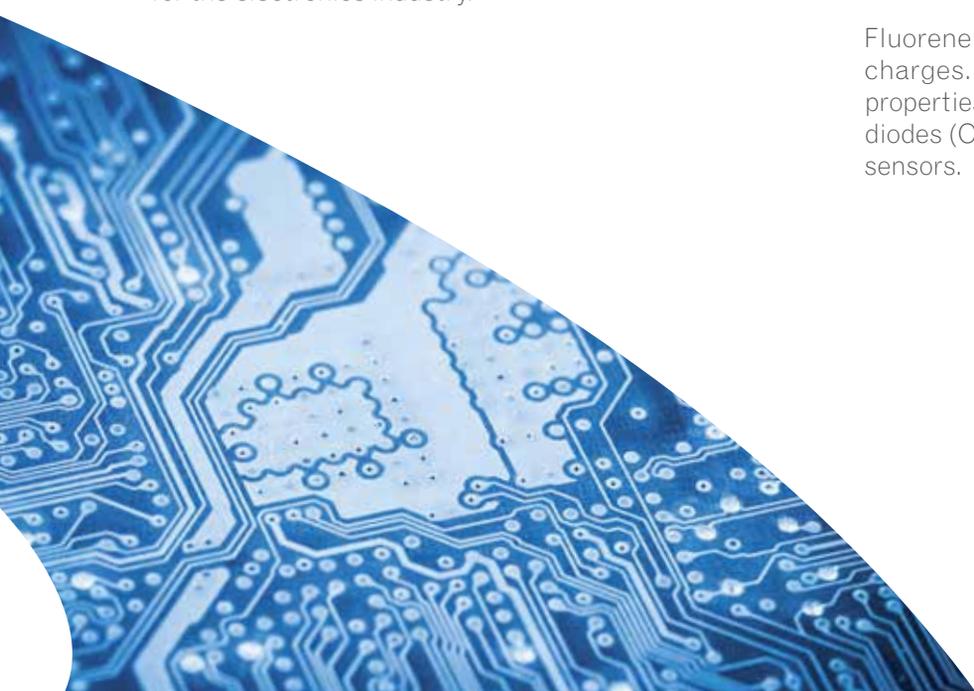
Functional Monomers

Special molecules can be added to standard polymers to provide them with additional effects and/or significantly improve processing performance. Expertise in high-quality phenol derivatives, together with experience in the production of laboratory-scale to bulk volumes, enables us to work with our customers to develop new functional monomers in accordance with their needs.

Epoxy resin composites containing functional monomers combine light weight with exceptional strength, making them highly suitable for the aerospace, automotive, marine, and construction industries.

Bisphenol monomers are used in the manufacture of numerous plastics, such as water bottles, sports equipment, CDs, and DVDs.

Fluorene monomers can stabilize and conduct electric charges. Their luminescent, electronic and absorptive properties make them attractive for organic light-emitting diodes (OLEDs), organic solar cells, and organic thin-film sensors.





For further information, please go to:

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SONGWON provides customers with warranties and representations as to the chemical or technical specifications, compositions and/or the suitability for use for any particular purpose exclusively in individual written agreements.

The facts and figures contained herein have been carefully compiled to the best of SONGWON's knowledge but are essentially intended for informational purposes only.

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