



The NOF Group is promoting the acquisition of certification by competent outside bodies as a means of improving transparency and objectivity of environmental safety activities.

Development status of EMS*

All of NOF's works and plants with manufacturing divisions have acquired ISO14001 certification, and are implementing systematic environmental improvement activities, with the particulars of business and local characteristics taken into consideration. Six of the companies affiliated with

NOF have acquired ISO14001 certification. Also, Nichiyu Logistics has obtained Green Management certification from the Foundation for Promoting Personal Mobility and Ecological Transportation.

NOF

Works and plants	Environmental Management Systems
Kawasaki Works	ISO 14001
Aichi Works	ISO 14001
Amagasaki Plant	ISO 14001
Oita Plant	ISO 14001

Group companies

Companies	Environmental Management Systems
Nippon Koki Co., Ltd. Shirakawa Plant	ISO 14001
NOF METAL COATINGS ASIA PACIFIC CO., LTD.	ISO 14001
Changshu NOF Chemical Co., Ltd.	ISO 14001
NOF METAL COATINGS EUROPE S.A.	ISO 14001
NOF METAL COATINGS EUROPE N.V.	ISO 14001
NOF METAL COATINGS SOUTH AMERICA IND.E COM.LTDA.	ISO 14001

Rate of acquisition of ISO 14000 certification (based on production volume)

FY2022 **89.7%**



* Acronym for Environmental Management System. A management system comprising a framework for an organization to formulate implement, review and maintain its environment policy; and encompassing planning activities, responsibilities, practices, processes, and management resources.



RC activities are promoted by the chemical industry on a worldwide basis, with the aim of ensuring environmental sustainability, health, and safety, through the entire life cycle of chemicals. The NOF Group considers RC activities as our core CSR activities and instituted the Management Policy Regarding Responsible Care and the Responsible Care (RC) rules in 1995. Furthermore, in 2014, NOF became a signatory of the Responsible Care Global Charter, proposed by the International Council of Chemical Associations. We classify our RC activities into Five Core Components including “environmental safety,” “labor safety,” “plant safety,” “product safety,” and “transportation safety.” We assign RC managers and personnel in charge to all NOF manufacturing locations and affiliates, and have established a supervision and support system by the RC Committee.

Management approach

In order to meet the needs of our customers now and in the future, the NOF Group promotes appropriate risk-based management of chemicals and conducts product safety risk assessments for all products, including new products.

Many countries and regions are now actively enacting or revising laws and regulations related to chemicals management. In cooperation with Group companies in Japan and overseas, NOF is strengthening its ability to gather information on regulatory trends and enhancing its functions using a comprehensive chemicals management system in order to

ensure compliance with the following items.

- We maintain a comprehensive understanding of the hazards, risks, and impacts of each product as they relate to all phases of the product’s life cycle and intended use(s).
- We update the quality and quantity of information as necessary to ensure global consistency and to comply with local requirements for product information.
- We keep records of all necessary and requested product safety information to ensure that our products are useable throughout their entire life cycle.
- Standardized safety data sheets (SDS) are provided to customers at the time of initial delivery and upon request in local areas. This critical information provision mechanism is consistently maintained, and there is distribution to all customers worldwide for all products, in compliance with local regulations and in the language requested by the customer.

Initiatives by the NOF Group

The NOF Group believes that a sound understanding of its products’ chemical properties, hazards, and impacts on people and the environment, as well as the management of risks associated with the handling of products, are fundamental to providing the market with a safe and competitive product portfolio in the future. The NOF Group works to ensure reliable operation of the mechanism for providing SDSs so that hazard information related to our products is easily available to our customers and employees, and we continuously provide updates on the latest information.

The NOF Group currently delivers over 5,000 products to markets in 55 countries around the world, and provides SDSs to these markets. We are also responsible for making revisions in response to

changes in laws. We provide customers with appropriate information and technical assistance to ensure thorough understanding of our products and safe usage and handling practices. We are currently introducing a system to manage product information. As laws and regulations evolve, we are collecting more information on the conditions of use of our products to record and assess the associated risks, and reflect this in our SDSs.

In addition, NOF has made a list of controlled substances on the basis of the POPs Convention, RoHS Directive, and the like, and promotes thorough management and volume reduction by ranking them as

- ① All chemicals prohibited to be handled,
- ② Chemicals for which we will consider alternatives and strive to reduce the amount handled, and
- ③ Chemicals to be handled under appropriate management.

We also comply with relevant regional and national chemical regulations, such as REACH (Registration, Evaluation, Authorization and Restriction of Chemicals) in the European Union (EU), K-REACH in South Korea, and TSCA in the United States.

In FY2022, the NOF Group registered two new REACH applications, bringing the total number of registrations to 44.

Since the implementation of the REACH system, no products have been subject to the system for substances of very high concern (SVHCs).

In addition, in Japan, the Group is promoting making lead-free products for pyrotechnic devices such as detonators, which contain lead that can affect water pollution.



Initiatives in the supply chain

Product development

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We are promoting the development of eco-friendly products that are biodegradable and do not contain hazardous substances, which contribute to recycling and energy conservation for the final products. In addition, we conduct screening tests on the risks and harms of all chemical substances we handle during design screening of new products and assessments in the commercial production transition phase, thereby developing products with low environmental impact.

Production

We verify that new products are manufactured according to plan before commencing commercial production. We work to reduce environmental impact through stable operation of our environmental treatment facilities and optimizing the collection conditions of chemical substances. We started working on Chemical Substances Risk Assessment (RA) in 2008, before relevant laws and regulations came into effect in 2016. We conduct a risk assessment and review of chemical substances as needed to contribute to employee health and safety.



Procurement of raw materials

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We conduct CSR procurement for the raw materials we use, which considers impact on the environment and health in addition to quality, cost, and delivery time. The list of controlled substances regarding hazards and toxicity is determined based on the POPs Convention, RoHS Directive, and REACH regulations, as well as Japan's Act on the Regulation of Manufacture and Evaluation of Chemical Substances (Chemical Substances Control Act), Industrial Safety and Health Act, and Poisonous and Deleterious Substances Control Act. The list is reviewed once a year.

Distribution and use (chemicals management and information provision)

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In fiscal 2020, NOF built and introduced an SDS creation support system, and has centralized management of SDS throughout the company.

Disposal and recycling

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We are conducting activities with the target of a zero emissions rate* of 0.1% or less. Substances that are no longer needed are separated. The useful substances are put in the recycling process, while those that are not are thermally recycled. In addition, we promote the separate collection and recycling of waste plastics and work to recycle them. With regard to waste disposal destination, we outsource the waste treatment to external companies that not only have received certification of excellence by the government but also satisfy our certification requirements. We provide them with information on hazard assessment and conduct audits on a regular basis to ensure compliance with the Waste Management and Public Cleansing Act.

* NOF's definition of zero emission: Volume of final disposal by landfill/volume of waste, etc. generated × 100 ≤ 0.10