

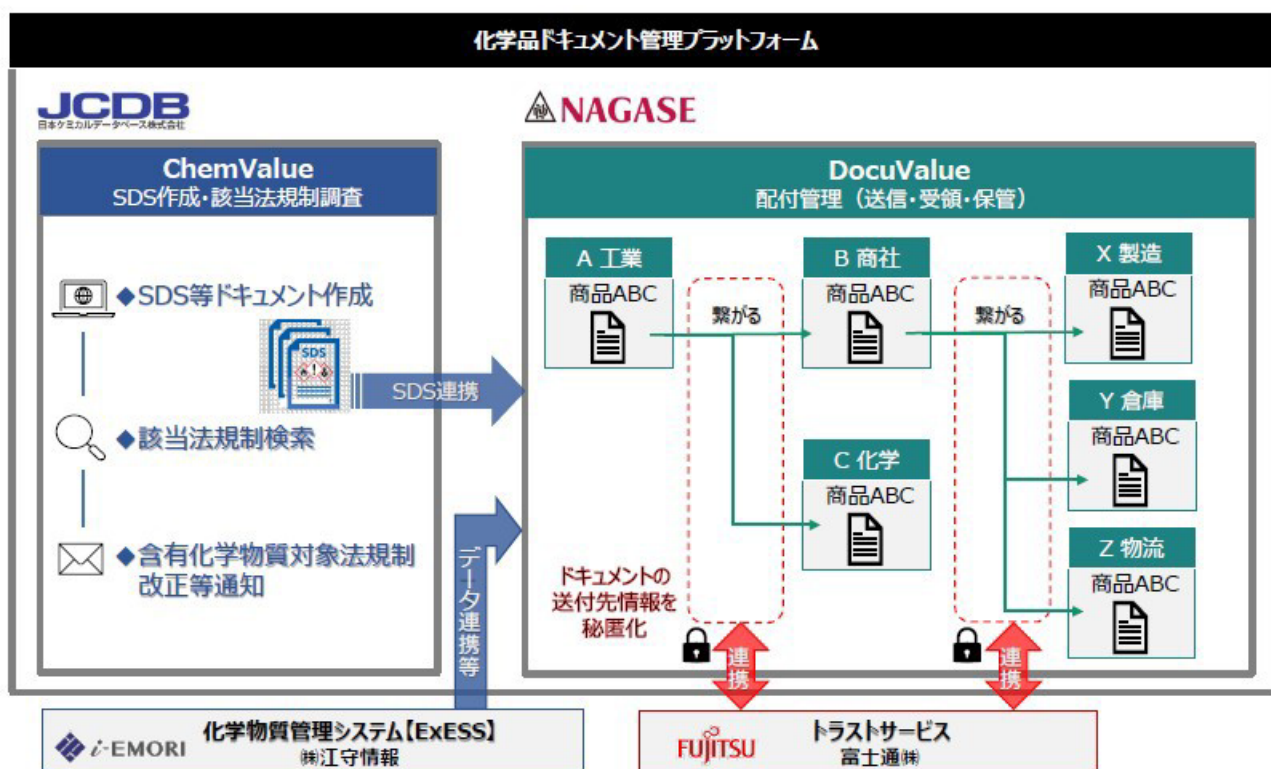
September 27, 2022
NAGASE & CO., LTD.

Nagase Information Development, Ltd.
Japan Chemical Database Ltd.

Chemical Documentation Management Platform
Developed by NAGASE Group and Japan Chemical Database Ltd.
Sales to Start in February 2023

NAGASE & CO., LTD. (Chiyoda-ku, Tokyo; Representative Director and President: Kenji Asakura; "NAGASE"), Nagase Information Development, Ltd. (Chuo-ku, Tokyo; Representative Director and President: Natsuki Imamura; "NID"), and Japan Chemical Database Ltd. (Bunkyo-ku, Tokyo; Representative Director and President: Takae Aoki; "JCDB") will begin sales in February 2023 of a cloud service combining a tool for creating safety data sheets (SDS), necessary when transferring or providing chemicals, and a tool for distribution management of chemical documentation. It will be exhibited at Chemical Materials Japan 2022-ONLINE this October (Monday, October 17 to Friday, October 28).

JCDB is contributing an SDS creation tool, a tool for searching relevant laws and regulations, and a tool for notifications on revisions to regulations on included chemicals (ChemValue), which NAGASE is combining with a newly developed chemical documentation distribution management tool (DocuValue) to provide as a platform service. NID, which performs software development and maintenance, will operate and sell the service.



■Background

Danger comes with handling and using chemical products. SDSs and other documentation are used to communicate important safety information throughout the supply chain. Therefore, in addition to properly making an SDS covering all the materials in a chemical, systematic management of the delivery, receipt, and storage of chemical documentation is also necessary to lower the risk of accidents or violating regulations.

However, with existing SDS software, it takes time to adopt the software, or it has a variety of functions included for chemicals manufacturers, making the price enough that SMEs are reluctant to pay.

For chemical documentation such as SDSs, there is a vast number of documents, and with information being updated due to changes in project specifications or laws being revised, distribution management can be time-consuming and complicated. Distribution management relying on communication between staff at each company, without being managed systemically, is a problem.

The Chemical Documentation Management Platform is a cloud service which will solve these problems, combining SDS creation and distribution management of chemical documentation. This service will contribute to increased responsible care and productivity in the chemical industry.

■ ChemValue Service Website (<https://cdpf.jp>)

ChemValue is a set of tools provided through the Chemical Documentation Management Platform, primarily to support compliance in transactions involving chemicals. Providing tools that can support chemical documentation creation and updating will contribute to safe chemical transactions.

ChemValue mainly consists of the following three tools:

1) AUTHOR (SDS, etc. document creation tool)

- Function to determine legal regulations for mixtures (covering 29 main Japanese laws)
- GHS classification function
- Updates after revisions to laws or JIS
- Auto-suggestion of appropriate phrases for each SDS section
- Save function for company product data and material data
- *Creation functions for documents other than SDS planned to be added through updates

2) SEARCH (Tool for searching relevant laws and regulations)

- 33 main Japanese laws and regulations on chemicals included
- Laws and regulations publicly available through NITE-CHRIP included
- chemSHERPA data and recommended values for allowable concentrations included
- Independent data for approximately 17000 materials included
- Wide variety of search functions, including material name, alternative name, English name, and CAS Number

3) NOTIFY (Tool for notifications on revisions to regulations on included chemicals)

- By specifying chemical materials, can receive notifications of changes to relevant regulations
- Notification of whether chemical materials or their content percentage have issues with applicable regulations, if the function to determine legal regulations for mixtures was used
- Covers 33 main chemical laws and regulations, NITE GHS classification, and Japan Society for Occupational Health exposure limits

■ DocuValue Service Website (<https://cdpf.jp/docuvalue/>)

DocuValue is a specialized distribution management system for chemical documentation available as a cloud service, with delivery, receipt, and storage functions. By sending and receiving documents through DocuValue, systematic document management with visualizations of documents sent and received between companies becomes possible. DocuValue's connective system will contribute to increased responsible care and productivity in the chemical industry.

<DocuValue Features>

- Can be used by all players in the supply chain
- Sending and receiving documents connects businesses and documents, in a system that becomes more convenient the more businesses use it
- Convenient functions for responsible care such as version management, receipt confirmation, and updated version distribution alerts
- Using Fujitsu Limited's trust service, recipient information for businesses using the service (names of recipient companies, recipient email addresses, etc.) is kept secret even from Nagase Information Development, the operating company
- Since management is carried out with the internal product codes of a business, simple to use alongside internal systems
- Pricing system that makes it easy to use, due to being a cloud service

Developer: NAGASE & CO., LTD.

Operator: Nagase Information Development, Ltd.

■ About NAGASE & CO., LTD.

Since its founding in 1832, in addition to its functions as a trading firm operating in a wide range of business areas with a large global network, the NAGASE Group has expanded functions such as manufacturing and research, and strengthened functions with DX, developing into a business group which creates diverse value. Combining these functions, NAGASE will engage in unique business development different from other companies as a Business Designer, providing society and its customers with diverse value.

For details, see NAGASE's website (<https://www.nagase.co.jp>).

■ About Nagase Information Development, Ltd.

A NAGASE Group information systems company with NAGASE & CO., LTD. as its core business.

After having separated from NAGASE's information systems department and forming an independent business in 1987, NID worked to learn ICT skills and cultivate knowhow, always providing the NAGASE

Group with optimal ICT solutions, mainly for the Group's core systems and network security. Now, they provide ERP systems, communication systems, and network security for approximately 60 Group companies in Japan and overseas, supporting the Group's activities in a wide range of areas. For details, see Nagase Information Development's website (<https://www.nid.nagase.co.jp>).

■ About Japan Chemical Database Ltd.

Japan Chemical Database Ltd., part of the Emori Infotech Group, provides chemical data (materials data, regulations data) as well as building and selling systems using chemical databases. In 1984, the former Ministry of International Trade and Industry and volunteer chemical companies created the Chemical Industry Informatization Research Group, beginning efforts to create a Japanese database for chemicals, and in 1988 Chemical Database Co. was established, creating chemical databases for the chemical industry. In 1996, JCDB took over Chemical Database Co.'s contents, and succeeded at significant downsizing. They have developed databases meeting market needs and built new system environments.

With the recent diversification of chemical materials management in Japan and internationally, JCDB began providing solutions for chemical compliance activities, providing a variety of services with high added value. For SDSs in particular, JCDB provides solutions using its years of knowhow, internal data on legal regulations, and collaborations with domestic and global partners to continue to help customers. For details, see JCDB's website (<http://www.jcdb.co.jp/>).

<Inquiries About Business>

Nagase Information Development, Ltd.

+81-3-3665-3750

Chemical Documentation Management Platform Support Center

Please use the contact form (<https://cdfp.jp/docuvalue/contact/>).

<Inquiries About Press Release>

Public Relations & Branding Office, Corporate Sustainability Dept., NAGASE & CO., LTD.

+81-3-3665-3640

Japan Chemical Database Ltd.

+81-3-3830-6530