EPYX

The complete solution for Safety Data Sheets Management

Regulatory Compliance Software

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EPYX

- Automate SDS Creation
- Stay Compliant with Global Regulations
- Reduce Errors and Compliance Risks
- Centralize SDS and Label Management

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EPY X

The next generation
SDS Management Platform

EPY X is a modular, integrated software suite developed specifically to help chemical companies comply with the regulations governing chemical products.

EPY X allows the creation of SDS and hazard labels in full compliance with the regulations in force in the EU, UK, Türkiye, Russia, China, South Korea, USA, Canada, Brazil, Mexico and Australia.
Other versions of the Global Harmonized Standard are planned to be implemented.

Learning speed and ease of use are the main features of a solution that, constantly improved and updated over time, has been on the market for over 40 years.

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EPY X at a glance

EPY X is a comprehensive software solution designed to **simplify the creation, management, and distribution of Safety Data Sheets (SDSs).**

Key features

Automated generation of Safety Data Sheets
for substances and mixtures, according to Regulation 2020/878 for Europe and to the GHS in force in Great Britain, Türkiye, Russia, the USA, Canada, Brazil, Mexico, South Korea, China and Australia.

UFI management and Automatic notification to the ECHA portal in PCN format
according to Annex VIII to CLP

Management of Exposure Scenarios
for the completion of eSDSs for substances and mixtures in Europe.

Management of Information Sheets
for non hazardous products

10 years SDSs archiving
(REACH, art. 36)

Automated SDS distribution
at every purchase or at the first purchase and at each revision in the following year, based on Article 31 of REACH.

Hazard label generation and printing
according to the CLP Regulation and GHS implemented in
Great Britain, Türkiye, Russia, USA, Canada Brazil, Mexico, South Korea, China and Australia.

Importing substance data into EPY X
Over 20,000 substances registered under REACH or with
harmonized classification from various databases: ECHA portal, CLP Annex VI, GB CLP MCL list.

Management of texts
in 37 languages.

Transport of Dangerous Goods
transport document of hazardous goods (ADR agreement) and Multimodal Dangerous Goods Form for transportation of dangerous goods by sea (IMDG Code).

Advanced reporting system

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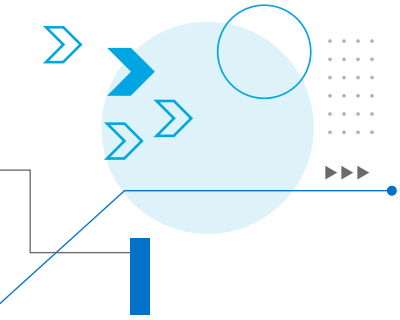
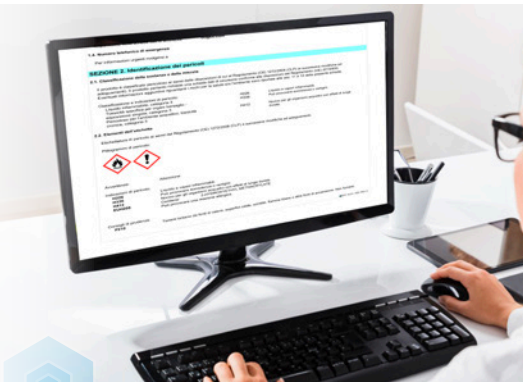
Automated SDS Authoring



EPY X is based on the automated processing of information on the product and on its ingredients, to generate the SDS.

To achieve this, EPY X manages **multi-level bills of materials (with up to 20 levels)** and calculates the appropriate information based on the desired destination region.



Global SDS compliance

European GHS

The Safety Data Sheet generated complies with Annex II to **Regulation 1907/2006 (REACH)**, as amended by Regulation 2020/878, which sets forth instructions on how to compile Safety Data Sheets for a substance or a mixture. **EPY X** calculates the classification according to Regulation (EC) 1272/2008 (**CLP**) starting from classification of the substances.

GHS for Great Britain

EPY X, with the **GHS.GB** module, is able to calculate the classification according to the GB CLP Regulation and to process Safety Data Sheets based on the UK REACH Regulation which, from 1 January 2021, operates independently of the EU REACH. The module also allows the automatic control of the substances belonging to the regulatory lists (e.g. Candidate List, restrictions) according to the **UK REACH** and **GB CLP** regulations.

Turkish KKDİK

EPY X, with the **GHS.TR** module, can generate Safety Data Sheets compliant with the KKDİK regulation, which implements GHS in Türkiye and has been mandatory since 23 December 2017. The module also allows the automatic control of the substances belonging to the regulatory lists (e.g. Candidate List, restrictions) according to the **KKDİK** and **SEA** regulations.

Russian GHS

With the **GHS.RU** module it is possible to calculate the classification according to the GHS Russia (GOST 32419-2022, GOST 32423-2013, GOST 32424-2013, GOST 32425-2013) and process SDSs according to the **GOST 30333-2022** regulation which establishes the general requirements of the SDS structure and contents.

Chinese GHS

EPY X, with the **GHS.CN** module, is able to process Safety Data Sheets according to the Chinese standards: more specifically, standards **GB/T 16483-2008** and **GB/T 17519-2013**.
This module bases its classification criteria on the Chinese implementation of GHS (GB 13690-2009 and the GB 30000 series).

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Korean GHS

With the **GHS.KR** module it is possible to calculate the classification according to the Korean GHS aligned with revision 4 of the GHS (MOEL 2023-9) and create Safety Data Sheets according to the legislation that establishes the general SDS requirements defined in **MOEL 2023-9**.

GHS for the USA

EPY X, with the **GHS.US** module, can calculate Safety Data Sheets compliant with the **OSHA GHS**. The software is already updated to GHS Revision 7, in line with the latest regulatory changes entered into force at the end of 2025. The module automatically includes in the SDS substances listed in federal and major national regulatory lists, as well as verifying compliance with the **TSCA Inventory**. An optional module for calculating **VOCs** (volatile organic components) for architectural coatings is available.

Canadian GHS

EPY X, with the **GHS.CA** module, is capable of generating Safety Data Sheets in accordance with the **WHMIS** regulation, updated to the 7th and 8th revisions of GHS, as required from 15 December 2025. The module automatically checks if the product formula contains one or more substances that must be reported on the Canadian market.

Brazilian GHS

With the **GHS.BR** module it is possible to calculate the classification according to the Brazilian GHS aligned with revision 7 of GHS (**ABNT NBR 14725-2/2023**) and create Safety Data Sheets according to the legislation that establishes the general SDS requirements (**ABNT NBR 14725-4/2023**).

Mexican GHS

With the **GHS.MX** module it is possible to calculate the classification according to the Mexican GHS aligned with revision 5 of the GHS (NOM-018-STPS-2015), the environmental one according to the voluntary standard **NMX-R-019-SCFI-2011** and create Safety Data Sheets according to the requirements defined by the standard **NOM-018-STPS-2015**.

Australian GHS

With the **GHS.AU** module it is possible to calculate the classification according to the Australian GHS aligned with revision 7 of the GHS (Work Health and Safety (**WHS**) Regulations) and create Safety Data Sheets according to the requirements defined in Work Health and Safety (WHS) Regulations.

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Information sheet (non-hazardous products)

For non-hazardous substances and mixtures that do not require a Safety Data Sheet according to relative legislation, EPY X calculates a document which, in this case, is called "Information Sheet". The user can optionally decide to keep the title "Safety Data Sheet".

X.ESM

Management of Exposure Scenarios for the EU - extended SDS

EPY X allows users to enter and manage one or more Exposure Scenarios (ES) for each substance or mixture. The ESs can be automatically attached to the corresponding Safety Data Sheets, in order to form an extended Safety Data Sheet (eSDS).
The system selects the ESs to be attached to the SDS for a mixture, based on the contained substances and the product' s intended use, and enters the list of Scenarios after Section 16 of the EU SDS. It is also possible to attach and automatically distribute SUMIs.

Multi Language

SDS in 37 languages

In all GHS-adopting regions, the SDS and label must be generated in one or more specific languages. Currently, EPY X can generate Safety Data Sheets and labels in 37 languages.

01. Albanian
02. Arabic
03. Bulgarian
04. Chinese
05. Croatian
06. Czech
07. Danish
08. Dutch
09. English
10. Estonian
11. Finnish
12. French
13. German
14. Greek
15. Hebrew
16. Hungarian
17. Icelandic
18. Indonesian
19. Italian
20. Korean
21. Latvian
22. Lithuanian
23. Macedonian
24. Malaysian
25. Norwegian
26. Polish
27. Portuguese
28. Rumanian
29. Russian
30. Serbian
31. Slovak
32. Slovenian
33. Spanish
34. Swedish
35. Turkish
36. Ukrainian
37. Vietnamese

Ongoing updates and automatic revision features

Our Regulatory Team continuously monitors new directives and regulations, implementing any necessary amendments to ensure that EPY X remains fully up to date.
The SDS calculation includes automatic recognition of changes in the various sections (whether due to new or updated regulations or to formula modifications) and automatically updates the SDS revision number and date.

Import, batch processing and export services

Optional Windows services are available to support the following functions:

- Importing data from external files (e.g., formulas, chemical and physical characteristics) into EPY X for continuous updating;
- Batch processing of Safety Data Sheets, based on identified product changes;
- Exporting Safety Data Sheets in PDF format to designated archives (e.g., by language, latest revision, etc.);
- Exporting data calculated with EPY X to external archives (e.g., classification data for labelling with third-party programs, ADR classification for printing ADR delivery notes, etc.).

Automated SDSs Distribution

EPY.Delivery

EPY.Delivery is a software solution integrated with **EPY.Storage**, a system designed for the long-term archival of regulatory documentation. Instead of transmitting the actual documents, **EPY.Delivery** sends only the hyperlinks to the documents, enabling the efficient distribution of large numbers of SDSs. The system also tracks the delivery status of documents, including dispatch and receipt confirmations.

For each customer, the system stores the following metadata:

- Product shipment date.
- SDS transmission date.
- SDS revision date and revision number.

This data is utilized by the system to automate the distribution of necessary updates. For additional details, refer to the **EPY.Delivery** module documentation.

Integration with other systems

EPY.Delivery supports integration with other software, such as transport document generation and invoicing applications. These integrations enable the automatic updating of customer records, including SDS distribution history and product dispatch logs. These links are essential to achieve a high level of automation in document distribution workflow.

The rules for sending

With EPY.Delivery, it is possible to automate Safety Data Sheet distribution. The system manages two key distribution scenarios, necessary to comply with Art. 31 of the REACH Regulation:

1. FIRST SUPPLY OF A PRODUCT TO A CUSTOMER

When a delivery note is generated, the system checks, product by product, whether the customer should
receive the corresponding SDS. This verification can be performed for one or more delivery notes. Once completed, the system generates a list of SDSs for each customer, which can then be sent via mass email.

2. SDS UPDATES

The system automatically detects SDS revisions and identifies all the customers who have received the associated product within the previous 12 months.
After processing, the system displays a list of the customers who should receive the new revision, which can be distributed via mass email dispatch.

Any unsuccessful transmissions are indicated in a daily report which, if desired, will be sent by email to the responsible person.

Automated Hazard Label Generation

Global Hazard Labeling

EPY X calculates and prints labels for chemical substances and mixtures pursuant to various regional regulations.

EUROPE, GB, TÜRKIYE, RUSSIA, CHINA, SOUTH KOREA, USA, CANADA, BRASIL, MEXICO AND AUSTRALIA

The format of the label and the indications contained in it are in accordance with the specific legislation.

In addition to the indication of the hazardous nature of the product (calculated automatically by the software), the label must provide other information, such as identity of the manufacturer and of the product.
The user can also enter additional information, such as batch number, weight, volume, manufacture date, barcode, QR code or free-format text.

This additional data can be entered manually or automatically imported from external databases, ensuring flexibility and efficiency in label creation.

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- ✓ Trade name and nominal quantity
- ✓ Supplier' s name and address
- ✓ Information on composition as required by local legislation
- ✓ Hazard pictograms
- ✓ Signal words
- ✓ Hazard statements (H statements)
- ✓ Precautionary statements (P statements)
- ✓ Supplementary hazard statements (EU only)
- ✓ UFI code (EU only)
- ✓ VOC of the ready-to-use product if necessary
- ✓ Any additional information as required by local legislation

Data consistency between Safety Data Sheets and Labels

One of the key advantages of using the label printing function is the complete consistency between the SDS and the label. This is achieved by using a single database for both. As a result, the data displayed on the label matches the information provided in Section 2 (Hazard Identification) of the SDS, ensuring accuracy and compliance.

Layout design

With very simple and intuitive commands, users can design labels using mouse, buttons and ruler. Symbols, phrases and other elements of the label are objects that the user can place inside the label to create one or more layouts.
The process is further streamlined with pre-designed templates, making it quick and efficient to create professional, compliant labels.

Printing

Labels can be printed using heat transfer or ordinary office printers (laser, inkjet, etc.), depending on the quantity and quality desired. In addition to regulatory-compliant data, labels can include additional information such as barcodes, images, and custom text. Users can manually add this information or link it to external databases.
The system also supports multilingual labels, enabling the creation of labels that display information in multiple languages simultaneously.

Automatic printing from external software

It is possible to launch the printing of hazard labels from other software (e.g., accounting software, production management systems, or delivery note creation tools). Parameters such as the printer to be used or the type of layout, and dynamic data fields (e.g., batch number, production date) can be passed directly from the external system.
As an alternative to physical printing, users can generate PDF files for later use or to feed into production line printing systems, offering flexibility and efficiency in label management.

UFI codes management and PCN Notifications

The new Annex VIII to CLP has harmonized the format for the transmission of information on mixtures with physical or health hazards. With the X.UFI and X.PCN modules it is possible to obtain a fully automatic management of the necessary submissions, for new products, and to update the notification dossiers already sent to ECHA.

X.UFI

- Data input
- UFI and dossier update rules

UFI:
Assign
Update
Print on label

X.PCN

- CREATE dossier
- VALIDATE dossier
- VIEW dossier
- SEND dossier (to the ECHA portal)

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Additional regulatory modules

Information sheet for cosmetic products

A specific module has been created which allows the management of information sheets for cosmetic products, expressly exempt from Title IV of the REACH Regulation, for which there is therefore no obligation to create the SDS, even upon request.

Calculation of the environmental classification for non-vulcanized rubber compounds

This module, developed on the basis of an exclusivity agreement with the Italian Assogomma Association, allows users to automatically apply an assessment of the classification of the hazard of rubber compounds according to the criteria developed by ETMRA.

Detergents Regulation Management

The module specifically designed for companies that manufacture and and market. It supports compliance with labelling requirements and enables the automatic creation of ingredient data sheets in accordance with Regulation (EC) No. 648/2004 and its subsequent updates. The module automatically calculates the labelling information required under Part A of Annex VII of Regulation (EC) No. 648/2004 for detergent products.

Road transport document (ADR)

ADR transport documents can be created and managed with a specific module integrated with EPY X (but which can also operate independently). The operation can be completely automatic, thanks to a connection to the ERP to receive the shipment data, which can also be entered manually.

Multimodal Dangerous Goods Form (IMDG)

Sea transport documents can be created and managed with a specific module integrated with EPY X (but which can also operate independently). The operation can be completely automatic, thanks to a connection to the ERP to receive the shipment data, which can also be entered manually.

Water Hazard Classification (WGK)

This module can calculate the WGK hazard class of substances and mixtures, which is required in Germany and recognized internationally in certain industrial sectors. The module also includes classification according to the TRGS 510 specifications for storage.

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X.RM

Advanced reporting

The advanced reporting module RM (Report Manager) efficiently creates various standard and customized reports, to make the most of the data in the system. Each report can be easily exported to Excel, to use the information for other contexts.

PDFCONVERT

Automated generation of SDS in PDF format

An automated SDS generation service in PDF format is available, to generate, automatically or on request, the safety data sheets in PDF and store them in folders based on the user' s preferences. It is very useful for those who manage the SDSs in many languages.

Hardware and Software Requirements

MySQL

Database

Microsoft SQL SERVER, Express or higher, 2016 or higher.

S.O. Operative System

Windows Server in remote mode (RDP, TS, Citrix) Version 2019 or higher.
Windows PC Version 10 or higher. MAC OSX by Windows virtualization of Windows on Intel processors.

RAM

At least 8 GB.

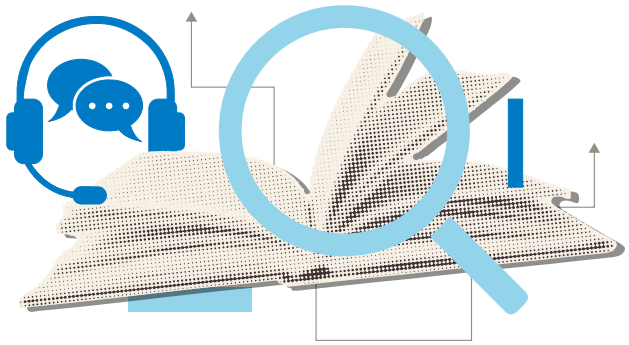
Hard Disk

At least 2 GB of free space. 4 GB of free space recommended.

Comprehensive Customer Support

EXPERT REGULATORY SUPPORT

Our mission is to provide reliable solutions that are fully compliant with regulatory requirements.
Through continuous monitoring of regulatory developments, our **Regulatory Support Team**, working in collaboration with industry experts, ensures timely and efficient updates.
In addition, the **EPY Academy** offers ongoing training on regulatory topics through webinars and online courses.



DEDICATED TECHNICAL SUPPORT

Our **Technical Team** of expert technicians is always at your side, providing fast and reliable technical assistance.
From initial setup to daily operations, we offer continuous support to ensure that the software performs at its best and meets your company' s needs.

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EPY X

The Benefits of EPY X Solution

EFFICIENCY

Work faster with automated SDS authoring

EPY X transforms the **Safety Data Sheet** (SDS) authoring process: by **automating SDS generation**, it significantly reduces manual workload, minimizes the risk of errors ensuring that information remains accurate and consistent.
Its **intuitive interface** shortens the learning curve and reduces implementation and training costs.

INTEGRATION

Seamless integration with your systems

EPY X **can be seamlessly integrated with any ERP system.** Upstream, it can retrieve and synchronize formulation data, while downstream it can connect with transport document management systems to automate the distribution of Safety Data Sheets.
This results in faster implementation and greater operational efficiency.

RELIABILITY

Trusted regulatory expertise built over 40 years

EPY X represents the latest evolution of a solution that has been continuously improved and updated for **over 40 years.**
Tested and refined in collaboration with hundreds of users, EPY has become **a trusted reference for compliance and safety in the management of hazardous substances and mixtures.**

SCALABILITY

A modular solution designed to scale with your needs

EPY X is a highly **modular solution** that can be configured according to the specific needs of each organization.
Companies can select only the features they need at a given time, with the assurance that **the software will scale and evolve together with their business.**

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Trusted by Leading Companies

Over 1500 chemical companies use EPY solutions. They are small, medium and large companies operating in various sectors of the chemical industry, including research laboratories and consultancy firms. They produce or market paints, inks, solvents, adhesives, detergents, lubricants, essences, cosmetics, fertilizers, products for leather treatment, and much more. Here are some of them:

- Alifax
- Aqua Poland
- Beta Utensili
- Bracco Images
- Bridgestone
- Cromology
- Davines
- Epson
- IVM Chemicals
- Nutreco
- Organik Kimya
- PPG
- Renner
- Saint-Gobain
- Sharon Personal Care
- Sherwin Williams
- Synthomer
- Zaitex

EPY X

EPY X is the flagship product of EPY, a software company founded in 1980, specializing in developing solutions for compliance with regulations governing the **classification, labelling, and transportation of chemical substances and mixtures.** With decades of experience and a deep understanding of global regulatory frameworks, we have designed tailored solutions for hundreds of companies. Our expertise goes beyond mere compliance documentation—such as Safety Data Sheets and labels—transforming these requirements into powerful tools that enhance business productivity.

By combining our unwavering commitment to quality with cutting-edge technologies, EPY has established itself as a global leader in **Regulatory Compliance Software**. Our solutions are aligned with international standards and guidelines for hazardous materials.

Book now your demo

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