



SAFETY DATA SHEETS

Production, Management
and Distribution



Regulatory Compliance Software

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Description

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, Turkey, 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.



REACH/CLP

GHS.GB

KKDİK

GHS.RU

GHS.CN

GHS.KR

GHS.USA

GHS.CA

GHS.BR



GHS.MX

GHS.AU





Overview

EPY solutions are the most popular program suites for **authoring, management and distribution of Safety Data Sheets**.

The main functions of EPY X



Automated generation of Safety Data Sheet (SDSs)

for substances and mixtures, according to Regulation 2020/878 for Europe and to the GHS in force in Great Britain, Turkey, Russia, the 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 through databases: ECHA portal, CLP Annex VI, GB CLP MCL list.



Automated SDS distribution

at every purchase or at the first purchase and at each revision, based on Article 31 of Reach.



Management of Exposure Scenarios

for the completion of eSDSs for substances and mixtures in Europe.



Hazard label generation and printing

according to the CLP Regulation and GHS implemented in Great Britain, Turkey, Russia, USA, Canada Brazil, Mexico, South Korea, China and Australia.



Management of text in 36 languages.

Other functions

- UFI generation and management
- Automatic notifications to the ECHA portal in PCN format according to Annex VIII to CLP
- Transport document (ADR agreement) of hazardous goods
- Multimodal Dangerous Goods Form (IMDG code) for transportation of hazardous goods by sea
- Advanced reporting system



Safety Data Sheets

EPY X is based on the automated processing of **product** information and its **raw materials**, used to generate the SDS.

To achieve this purpose, **EPY X** manages multi-level Bills of Materials (with up to 10 levels in the standard version) and calculates the appropriate information based on the desired destination region.



European Safety Data Sheets

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.



Safety Data Sheet according to the 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. For further information, see the documentation relating to the **GHS.GB** module.



Safety Data Sheet according to the Turkish KKKIK

EPY X, with the **GHS.TR** module, is capable of generating Safety Data Sheets compliant with the KKKIK regulation, which implements GHS in Turkey and has been mandatory since December 23, 2017. The module automatically checks if the product formula contains one or more substances that must be reported on the Turkish market.

For further information, please refer to the documentation relating to the **GHS.TR** module.



Safety Data Sheet according to the 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 SDS according to the GOST 30333-2022 regulation which establishes the general requirements and general of the SDS.

For further information, see the documentation relating to the **GHS.RU** module.



Safety Data Sheet according to the Chinese GHS

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



Safety Data Sheet according to the 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.

For further information, see the documentation relating to the **GHS.KR** module.



Safety Data Sheet according to the OSHA 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 coming into effect at the end of 2025. It automatically includes in the SDS substances listed in federal and major national regulatory lists, as well as it verifies compliance with the TSCA Inventory. An optional module for calculating VOCs (volatile organic components) is available.

For further information see the documentation relating to the **GHS.US** module.



Safety Data Sheet according to the 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.

For further information, see the documentation relating to the **GHS.CA** module.



Safety Data Sheet according to the 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 defined by ABNT NBR 14725-4/2023.

For further information, see the documentation relating to the **GHS.BR** module.



Safety Data Sheet according to the 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.

For further information, see the documentation relating to the **GHS.MX** module.



Safety Data Sheet according to the 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.

For further information, see the documentation relating to the **GHS.AU** module.



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 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 substances it contains and the product's intended use, and enters the list of Scenarios attached after Section 16 of the EU SDS. It is also possible to attach and automatically distribute SUMIs.

For further information, see the documentation relating to the X.ESM module.



**Multi
Language**

SDS in 36 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 36 languages.

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



On-going 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.).



Automatic distribution of SDSs



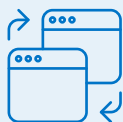
EPY.Delivery

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 TIME PRODUCT SUPPLY 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.



Hazard labels



Content of the Hazard Labels

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



EUROPE, CHINA, USA, CANADA, GB, RUSSIA, SOUTH KOREA, BRASIL, TURKEY, 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 or free-format text.

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



- ✓ 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

Consistent Data Between Labels and Safety Data Sheets

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



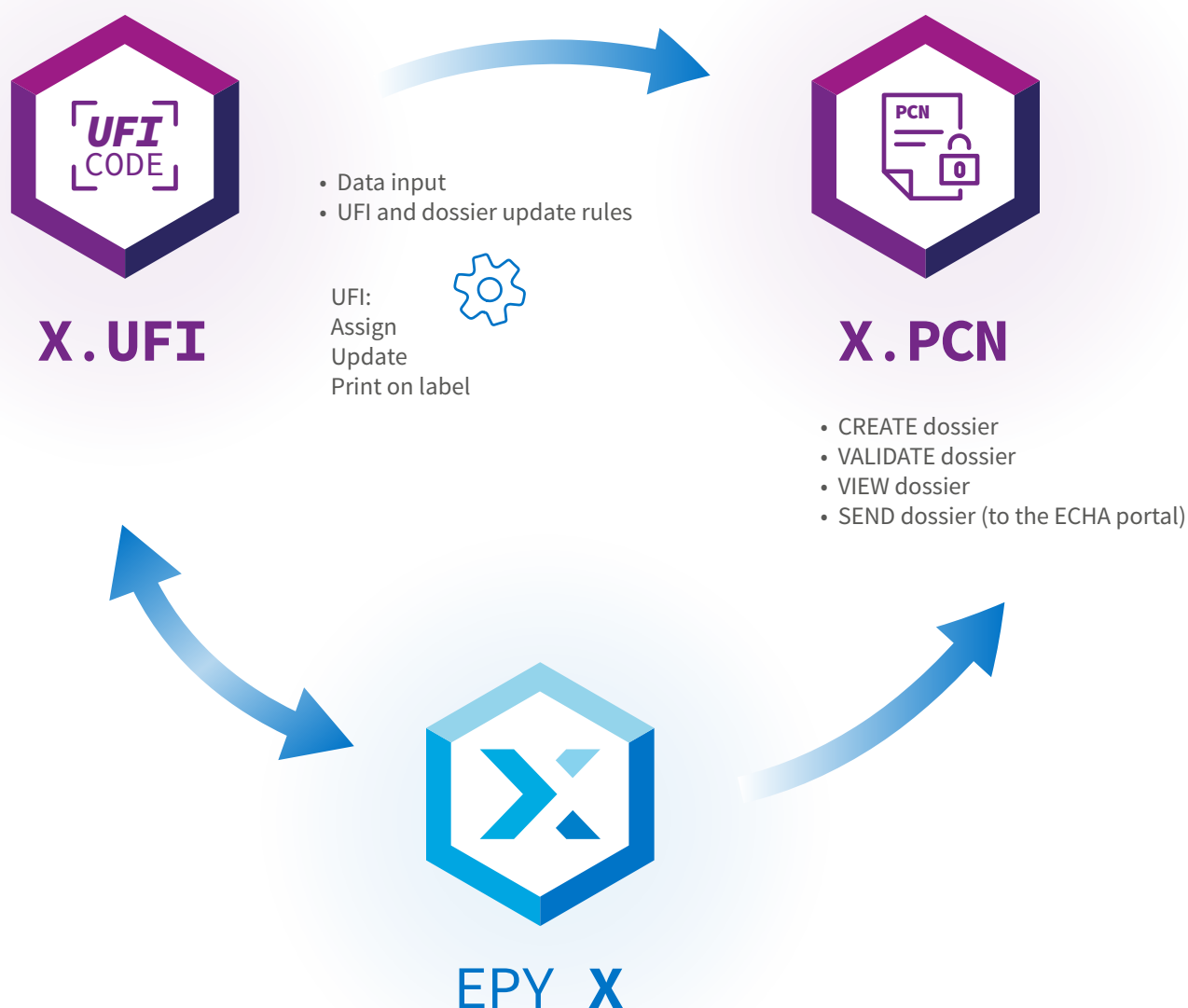
It is possible to launch the printing of hazard labels from other software (e.g., accounting software, production management systems, or delivery note creation tools). Parameters such as the printer to be used or the type of layout, and dynamic data fields (e.g., batch number, production date) can be 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, both for new products, and to update the notification dossiers already sent to ECHA.





Other functions



X . CDS

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. For more information, see the documentation for the CDS module.



X . RC

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.



DDT . ADR

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.

For further information see the documentation for the **DDT.ADR** module.



MMF

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.

For further information see the documentation for the **MMF** module.



X . WGK

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. For further information, see the documentation for the **WGK** module.



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



Database

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



S.O. Operative System

Windows Server in remote mode (RDP, TS, Citrix) Version 2016 or higher.

Windows PC Version 10 or higher. MAC OSX by virtualization of one of the Windows PC environments indicated.



RAM

At least 8 GB .



Hard Disk

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

EPY customers

Over 1.500 companies have chosen our software products, including small, medium and large companies operating in various sectors of the chemical industry, research laboratories and consultancy firms.

EPY solutions are used in the following sectors:

Adhesives	Electroplating products	PVC compounds
Aerosols	Fertilizers	Resins
Animal feed	Flavorings	Rubber compounds
Car care products	Fragrances	Solvents/thinners
Ceramic enamels /ceramic glazes	Inks	Speciality chemicals
Construction materials	Lubricants	Surface treatment products
Consumer goods	Masterbatches	Tanning and leather treatment products
Cosmetic products	Paints and varnishes	Textile auxiliaries
Detergents	Pharmaceutical products	Water treatment
Detergents	Phytochemicals	Waxes
Elastomers	Polymers	

Thanks to these companies we have faced new and different challenges which have helped us develop a great experience and improve our knowledge to always become better at what we do.



EPY X is the flagship product of EPY (former Telematic), 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, including **REACH, CLP, GHS, KKDİK, ADR, IMDG, IATA** and more.

