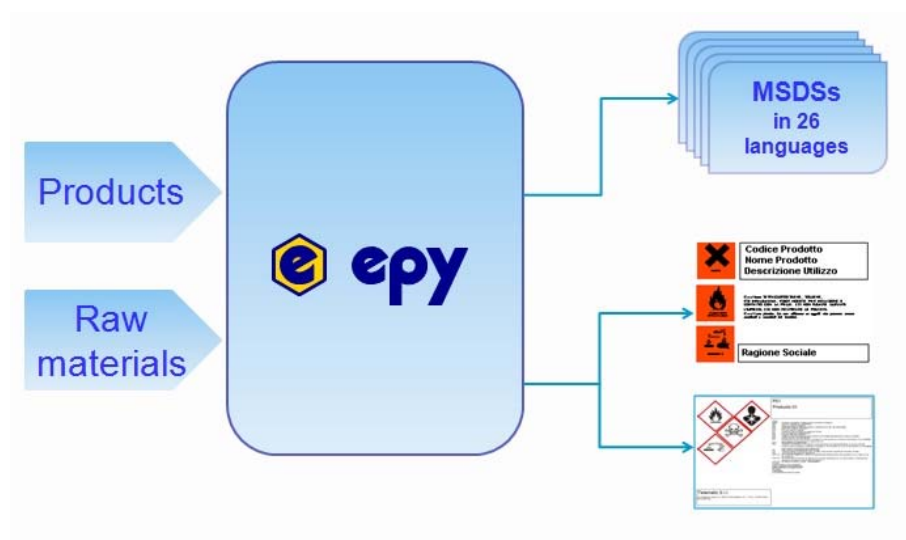


# EPY plus V7

EPY is a suite of integrated, modular programmes studied specifically to help European chemical manufacturers to adapt to the regulations governing chemical products.

## Main features

- Software updated in compliance with REACH and CLP
- Automatic revision management
- Classification according to CLP and 67/548/EEC Regulations
- Double labelling
- SDS in 16 chapters
- Immediate translation of SDS into 26 languages
- Management of experimental products
- VOC calculation



## Technical features

- Modular software
- Windows graphics interface
- Importation of recipes from any management software

EPY's main features are:

- ✓ Automatic compilation of **Safety Data Sheets** (SDS) for substances and mixtures, in compliance with Regulation 453/2010, in 26 languages.
- ✓ Automatic management of the **dispatch of SDS** to Customers.
- ✓ Preparation and printing of **hazard labels**, according to the "substances" and "preparations" directive and the CLP Regulation.

---

# Safety Data Sheet

## Processing

EPY is based around the automatic processing of a series of information (formulation and organoleptic and chemical and physical characteristics) concerning the **product** for which one wishes to obtain an SDS, and the **raw materials** making it up.

To do so, EPY handles multi-level recipes (with up to 10 levels in the standard version).

Products can be *active, experimental or obsolete*.

The safety data sheet produced complies with appendix II to Regulation 1907/2006 (REACH), as amended by Regulation 453/2010, defining the provisions for drafting safety data sheets for a substance or mixture.

In particular, it defines the 16 sections making up the SDS and the information that has to be contained in each one:

**CHAPTER 1: Identification of the substance/preparation and of the company/undertaking**

**CHAPTER 2: Hazards identification**

**CHAPTER 3: Composition/information on ingredients**

**CHAPTER 4: First aid measures**

**CHAPTER 5: Fire-fighting measures**

**CHAPTER 6: Accidental release measures**

**CHAPTER 7: Handling and storage**

**CHAPTER 8: Exposure controls/personal protection**

**CHAPTER 9: Physical and chemical properties**

**CHAPTER 10: Stability and reactivity**

**CHAPTER 11: Toxicological information**

**CHAPTER 12: Ecological information**

**CHAPTER 13: Disposal considerations**

**CHAPTER 14: Transport information**

**CHAPTER 15: Regulatory information**

**CHAPTER 16: Other information**

## Classification 67/548 and CLP

EPYplus makes it possible to calculate the classification of Directive 67/548/CEE and Regulation (CE) 1272/2008 (CLP). It is therefore possible to manage the old classification for mixtures and the new CLP classification for substances (compulsory as of 1<sup>st</sup> December 2010).

When desired, it is also possible to classify mixtures using the new CLP classification.

## Constant updating and Automatic revision.

Our team of experts monitors the publication of new directives and regulations and makes the amendments necessary to keep EPYplus up to date at all times.

The programme identifies any legal updates and changes to the recipe and automatically amends the safety datasheet and changes the date and number of the revision accordingly.

Revised sheets can be redistributed to customers according to the criteria defined by REACH.

## SDSs in 26 different languages

It is currently possible to generate safety datasheets in 26 languages:

- |                     |                      |                       |                      |
|---------------------|----------------------|-----------------------|----------------------|
| 1. <i>Albanian</i>  | 8. <i>English</i>    | 15 <i>Latvian.</i>    | 22. <i>Slovak</i>    |
| 2. <i>Bulgarian</i> | 9. <i>Estonian</i>   | 16. <i>Lithuanian</i> | 23. <i>Slovenian</i> |
| 3. <i>Chinese</i>   | 10. <i>French</i>    | 17. <i>Norwegian</i>  | 24. <i>Spanish</i>   |
| 4. <i>Croatian</i>  | 11. <i>German</i>    | 18. <i>Polish</i>     | 25. <i>Swedish</i>   |
| 5. <i>Czech</i>     | 12. <i>Greek</i>     | 19. <i>Portuguese</i> | 26. <i>Turkish</i>   |
| 6. <i>Danish</i>    | 13. <i>Hungarian</i> | 20. <i>Rumanian</i>   |                      |
| 7. <i>Dutch</i>     | 14. <i>Italian</i>   | 21. <i>Russian</i>    |                      |

## Reprint

Once it has been saved, an SDS can be reprinted (without processing)

This is a very useful feature as the programme ideal for use by users who are not familiar with the application.

## Regulatory references and bibliography

The following sources are used to define the databases and prepare the programmes:

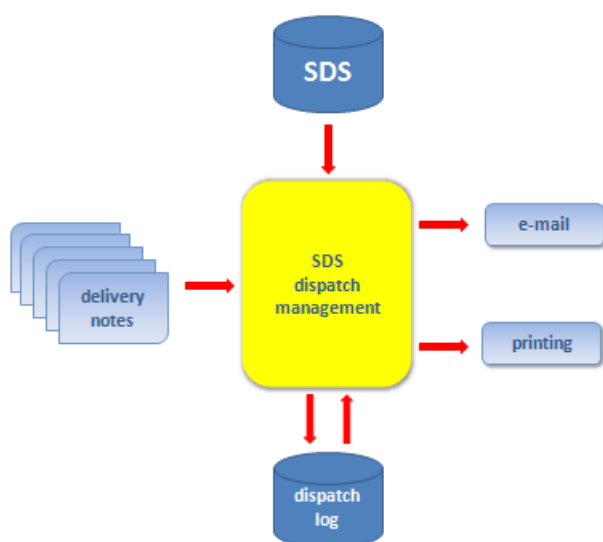
2. Directive 67/548/CEE and subsequent adjustments
3. Regulation (CE) 1272/2008 of the European Parliament (CLP)
4. Regulation (CE) 790/2009 of the Commission
5. Regulation (CE) 1907/2006 of the European Parliament (REACH)
6. Regulation (UE) 453/2010 of the Commission
7. The Merck Index. Ed.10
8. Handling Chemical Safety
9. Niosh - Registry of Toxic Effects of Chemical Substances
10. INRS - Fiche Toxicologique
11. Patty - Industrial Hygiene and Toxicology
12. N.I. Sax-Dangerous properties of Industrial Materials-7 Ed., 1989
13. ADR/RID 2009 edition
14. IMDG Code amdt. 34-08, 2008 Edition
15. IATA Dangerous Goods Regulation, 51th Edition (2010)

# SDS dispatch management

The REACH Regulation requires that a product's SDS be sent to the customer the first time it is supplied. If the SDS is revised, it must be re-sent to all those customers who have received the product over the past 12 months.

## Links

EPY incorporates the management of a customer log and an SDS and product dispatch record that can be updated by a delivery note or invoice software. These links are essential for making dispatch fully automated.



Dispatches can be performed:

- Automatically by e-mail
- By mail or fax, in printed format

## Dispatch log

The date the product was dispatched, the date the SDS was dispatched and the date and number of SDS revision are saved for each customer.

---

## Automatic SDS dispatch

There are **two possible automation types**:

### **1. When the goods are sent to a customer**

When a bill is generated, the system checks, line by line and therefore product by product, whether or not the customer needs to be sent the sheet. The operation can be performed for a single bill or for a series of bills.

At the end, for each customer the programme displays a list of sheets that can be sent by bulk e-mail or using the alternative methods shown in the picture.

### **2. When the revision number of an SDS changes**

The system is able to automatically select all the SDSs revised over a certain period and, for each one, to indicate all those customers who have received the product in question over the past 12 months. Once processing is complete, the programme displays the list of customers who need to receive it. It is now possible to do a bulk dispatch.

# Hazard label

## Content

This software was developed to satisfy the needs of the chemistry industry and therefore to make it possible to create hazard labels according to both the old “substances” and “preparations” directives and the new CLP regulations.

During the CLP changeover period, the software makes it possible to manage both labelling models.

In addition to the data indicating the product’s hazard class (calculated automatically by the software), the label must include other information identifying the manufacturer and product.

The user can also add supplementary information, such as batch number, weight, volume, date, barcode or free-format text. This data can be entered manually or extracted from external archives.

### Directive 67/548/EEC and 99/45/EC



- ✓ Trade name and quantity
- ✓ Name and address of supplier
- ✓ The chemical name of the hazardous substances to be declared according to regulatory provisions.
- ✓ Hazard symbols
- ✓ R and S phrases
- ✓ Special phrases (e.g. contains isocyanates, etc.)

### Regulation 1272/2008 (CLP)



- ✓ Trade name and quantity
- ✓ Name and address of supplier
- ✓ The chemical name of the hazardous substances to be declared according to regulatory provisions.
- ✓ Hazard pictograms
- ✓ Warnings
- ✓ Hazard indications
- ✓ Precautionary advice
- ✓ Supplementary information

## Data consistent with the Safety Data Sheet

The main advantage for those using the label-printing feature is that it generates safety datasheets and labels that are completely consistent because they use the same archive.

The data on the label is therefore the same as indicated in section 2 of the safety datasheet (according to the Regulation 453/2010).

---

## Designing the layout

The user may, in a very simple and user-friendly manner, design a label using a mouse, buttons and ruler. Symbols, phrases and other label elements are mere objects that the user can use inside the label to create one or more layouts.

The creation of the layouts is facilitated by the presence of preset templates.

## Printing

Labels can be printed using heat transfer printers or conventional office (laser, inkjet, etc.) printers, depending on the quantity and quality of the labels to be obtained.

In addition to the data calculated in compliance with the regulation, the list may contain further information, such as the batch number, weight, volume, date, etc. If the printer is compatible, a barcode can also be printed.

It is also possible to include in the label any free-format descriptive texts, with the potential of connecting label fields to the external archives.

It is therefore possible to obtain labels containing **data in several languages** simultaneously.

## Reprinting

As for the SDSs, archived labels can also be reprinted, making it possible to alter, either manually or automatically, any variable data (batch numbers, etc.) if suitable links are present.

# *Hard- and software requirements*

## Operating system

Windows 7, XP, 2003, 2000

## RAM

At least 512 MB

## Hard Disk

100 MB free space for the programs alone.

*To evaluate the space required for full use, it may be useful to bear in mind that one safety datasheet occupies from 100 to 300 KB, (consequently 100 SDSs will occupy between 10 and 30 MB).*

---

## *EPY customers*

Over 1,000 companies have chosen our software products. These medium-, small and larger businesses include chemical manufacturers and distributors, research laboratories and consultancy firms.

The EPY suite is used by firms dealing in:

- Adhesives
- Plant protection products
- Chemical products
- Consumables
- Distributors
- Flavourings and scents
- Food treatment
- Paint, varnish, ink and dyes
- Oil
- Pharmaceuticals and cosmetics
- Plastic and polymers
- Resins
- Rubber
- Special chemical products



**EPYplus is produced by Telematic**, a leader in the development of software solutions compliant with the regulations governing the classification, labelling and transportation of chemical substances and mixtures.

For further information, visit [www.epy.it](http://www.epy.it)

## *Telematic srl*

Via Pelizza da Volpedo 20  
20092 Cinisello Balsamo MI Italy  
Tel: +39 02 6124236 Fax: +39 02 66010251  
info@epy.it                      www.epy.it