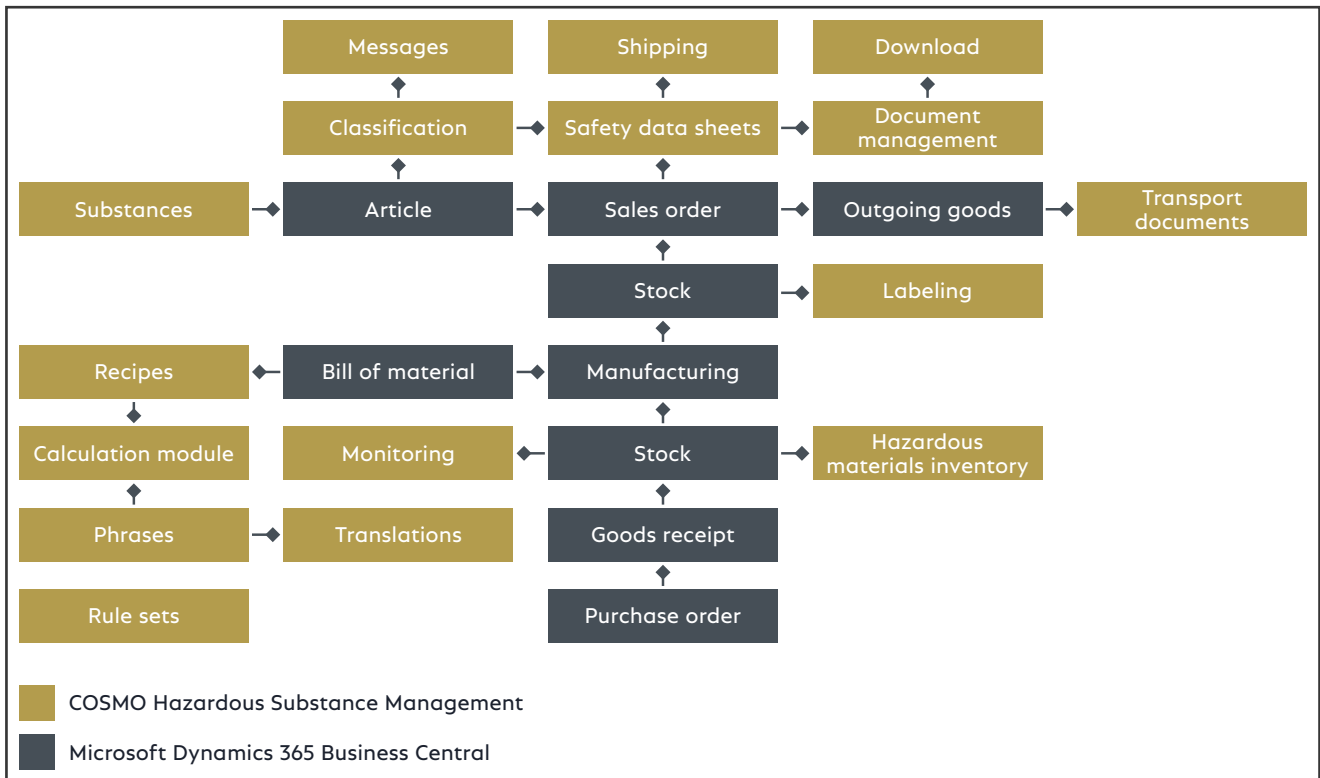




COSMO

Hazardous Substance Management
based on Microsoft Dynamics 365
Business Central





Business processes supported by integrated hazardous substance management

Correct handling of hazardous substances

Where chemicals such as cleaning agents or dyes, highly explosive or corrosive substances are used, a functioning hazardous substance management system is essential.

This is a responsible task, because violations of applicable laws not only result in penalties, but in the worst case, even health hazards. Illnesses can lead to downtime and economic losses. Careful handling of hazardous substances and mixtures is therefore in the interests of sustainable business management.

COSMO Hazardous Substance Management is an extension for Microsoft Dynamics 365 Business Central that covers all aspects of hazardous substance management and can be used to safely handle hazardous goods transports. In everyday work, this leads to significant workload reductions, as in-house hazardous substance processes are often complex and time-consuming to manage. For example, the safety officer or the occupational safety specialist must be informed comprehensively about the procurement, logistics, transport and use of hazardous substances.

Safety data sheets

Creating safety data sheets (SDS) is a complex and time-consuming matter that requires special qualifications and practical experience. With **COSMO Hazardous Substance Management**, the GHS-compliant hazard calculation and printing of the obligatory safety data sheets is handled automatically. The software allows, for example, attachments in different languages to be

assigned to the safety data sheets and sent directly to customers by e-mail. The shipping date of the article and the associated safety data sheet are logged - in accordance with the 12-month rule and the obligation to resend in the event of relevant changes in the safety data sheet - and are used for shipment monitoring.

Highlights

- Ensure and comply with critical regulatory requirements such as GHS.
- Full integration with Microsoft Dynamics 365 Business Central reduces data maintenance
- Manage substances and recipes
- Support formulation and bill of material development
- Calculate and automatically send multilingual, region-specific safety data sheets
- Create transport documents according to ADR, IMDG, IATA or DOT for shipments - also multimodal and integrated into delivery bills
- Provide data for labels according to GHS, CLP and other regulations
- Hazardous substance inventories (Seveso III, REACH tonnage bands, etc.)
- Web application that allows registered users to download documents

Hazard labeling

COSMO Hazardous Substance Management fulfills the special requirements of hazard labeling according to the criteria of GHS, CLP and other regulations. A key plus point here is the automatic process for creating and printing hazard labels. This allows you to automatically output the information calculated or entered in

Dynamics 365 Business Central in a layout you prefer. The GHS pictograms and the ADR/IATA/IMDG classification are automatically linked to the respective product during the printing phase. This gives you full control over all the graphic and regulatory elements that can be inserted into the label.

Exposure scenarios

With COSMO Hazardous Substance Management, you also comply with the provisions of REACH with regard to exposure scenarios by completing them with European phrases via additions in the XML standard of the EsCom and EuPhrac database.

The bottom line is that hazardous substance management is a crucial factor on which many other occupational health and safety measures are built. Seamless process integration in Microsoft Dynamics 365 Business Central supports legally compliant actions and at the same time creates a suitable documentation basis.

Volatile organic compounds

Products can emit a number of volatile organic compounds (VOCs) that affect air quality and health. COSMO Hazardous Substance Management helps you

comply with VOC regulations and the calculation of Swiss VOC taxes.

Hazardous substances directory

The storage of hazardous substances in compliance with the law is a sensitive issue for the responsible employees. It is not only about handling and safe storage, but also about the ability to provide information to rescue forces, for example in case of accidents. With **COSMO Hazardous Substance Management**, they can provide clear information at any time about which

- hazardous substances can be found where or
- quantities are present.

For example, stock levels are monitored in accordance with the Seveso III Directive and REACH tonnage bands - including feedback to the purchasing department.

Hazardous goods

With **COSMO Hazardous Substance Management** you create documents for dangerous goods transports according to ADR/RID, IMDG and IATA in several languages. Based on the data of mixtures and ingredients, you determine the dangerous goods classification of a product for the transport routes land, sea and air. In doing so, **COSMO Hazardous Substance Management** supports transport documents over more than one different mode of transport (multimodal). In addition, complete classification profiles are determined for the

individual dangerous goods items. This includes information such as UN No., category, packaging group or technical shipping description as well as limit quantities for the different transport routes. Based on the dangerous goods classification, exemption quantities and transport bans for the various transport routes can be determined downstream in the shipping process. Furthermore, the accompanying documents for the transport of dangerous goods are created based on the classification profile.

Examples for calculations and evaluations

Below you will find some examples of calculations and evaluations that are part of the **COSMO Hazardous Substance Management** and its supplements:

- GHS classifications (UN, EU, USA etc.)
- National requirements (German water hazard classification, German and Swiss steering tax, Decopaint directive)
- Storage class (Danish MAL code, US NFPA ranking, etc.)
- US listings (SARA 302, SARA 313, IARC, CAL P65, NTP, etc.)
- Hazardous Goods Classification
- Detergent regulation
- Content of heavy metals, halogens, ROHSIII substances, etc.
- SDS references to eco/toxic and DNEL/PNEC data of ingredients, comments in section 11/12, etc.
- Food allergen sources
- Conformities (candidate list, Annex XIV, EN 71-3, food packaging, etc.)

GHS as a component of the ERP system

COSMO Hazardous Substance Management is a Microsoft certified extension for Microsoft Dynamics 365 Business Central (formerly Dynamics NAV). Thanks to the seamless integration, many processes can be automated. In addition, COSMO Hazardous Substance Management's extensible and configurable data design and rule-set based calculations allow it to be adapted to the requirements of the requirements of the process industry - far beyond classification according to GHS and the dispatch of safety data sheets.

With COSMO Hazardous Substance Management you will always remain legally compliant. Content Packages supply the database of the ERP system with more than 7,000 basic substance entries (incl. Annex VI CLP). Among them are Contents on

- CLP classifications according to the current ATPs of the CLP Regulation
- Occupational exposure limits for European countries and USA

- Dangerous goods classifications according to ADR, IMDG, IATA, etc.
- Inventory status information (e.g. WGK, VOC, candidate list, TSCA etc.)

Supplemented by a phrase catalog, which contains translations currently available in 30 languages, COSMO Hazardous Substance Management provides official texts on

- relevant regulations
- H- and P-phrases of the CLP regulation
- official designations according to ADR and much more.

Whenever the regulation is changed, the dataset is automatically updated. With updates, you receive log files that show you for each listed substance where changes have occurred and in which formulations the respective substances are used.

More than just Software

Based on many years of experience in the development of information systems and profound expertise in the process industry as well as hazardous substances and dangerous goods legislation, a solution has been

created that can be adapted quickly. The special structure based on parameter-controlled content allows the most diverse requirements to be covered quickly.

Additional Add-ons

- COSMO Poison Center Notification

Austria · Chile · China · Columbia · Ecuador · France · Germany · Hungary
Mexico · Panama · Peru · Romania · Spain · Sweden · Switzerland

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