# PROLAG Hazmat

## The highest standards in hazardous materials storage

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Mit **PROLAG Hazmat** is CIM's software solution for storing hazardous materials in line with all relevant regulations, and for optimally preparing hazardous goods for transport. Thanks to its hazardous materials management functionality, **PROLAG Hazmat** can monitor all hazardous materials and ensure that they are stored in compliance with the highest standards.

The system meets all requirements pertaining to the transport of hazardous goods for all transport routes and issues internationally applicable transport documents. **PROLAG Hazmat** also offers useful features such as packing area logic optimised for hazardous materials, access management including rights administration, and informative hazard pictograms in the UI for highlighting the relevant hazardous materials during the picking and transport processes.

# PROLAG Hazmat

*Once upon a time, in a faraway intralogistics world …*
*"Oh yes, hazardous materials, no problem," an employee*
*hears her boss saying on the phone. "We can do that.*
*Do we comply with the standards?".*
*The boss seems to think about this for a minute.*
*Then he goes on: "Sure, we comply with all of them. Just*
*send us your stock and we'll see to the rest. You're in safe*
*hands with us." The boss puts down the phone and looks*
*expectantly at his employee.*
*"What do you think, is there still enough space in aisle 1 for*
*a few chemical cleaning agents?"*
*She shrugs and thinks about it for a moment.*
*"Puh, maybe down the back beside the household goods.*
*But are they not flammable? I mean because of fire safety.*
*The sprinkler system's broken…"*
*"Ah, we'll just leave a bit of space in between," says the*
*boss confidently and waves it off.*
*"That's in full compliance with safety standards.*
*I know them all off by heart," he insists when he sees the*
*sceptical look on his employee's face.*
*But secretly he's not quite sure either. Maybe there's a*
*software program that could help him with hazardous*
*materials?*

– Hazardous material strategies for optimal putaway, coordination and handling

– Comprehensive hazardous materials management in your intralogistics, for instance using safety data sheets

– Hazardous goods documentation in compliance with international regulations for transport by air, rail, road or sea (IATA, RID, ADR and IMDG)

– Centrally controlled access management and qualified personnel for secure handling

– Quantity thresholds for hazardous goods by storage area (1000 points rule and limited quantities)

– Intuitive hazard pictograms in the UI for easy access, hazard statements and precautionary statements displayed in mobile processes

– Packing area logic for outer packagings, optimised for hazardous goods

– Hazardous materials management in article sets

– Hazardous goods lists

– Fire department list

# Keeping an eye on your hazardous materials for safe storage

# PROLAG Hazmat – going the extra mile with hazardous materials management
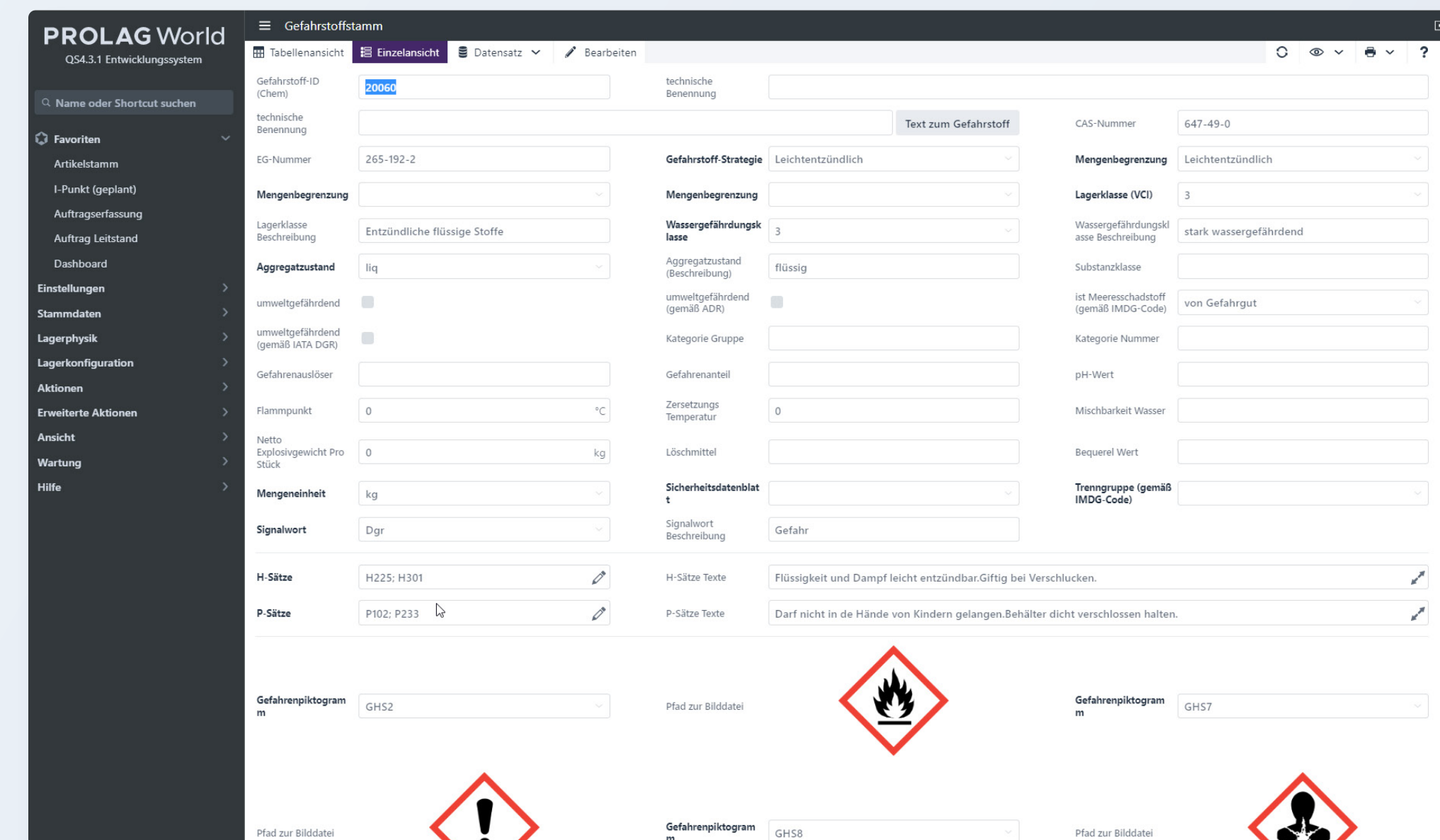
Hazardous goods and materials are often present in the most unremarkable everyday objects – cleaning items, electronics, chemical substances and household goods, for example. Storing and transporting these substances requires professional handing in compliance with all legal requirements.

**PROLAG Hazmat** is CIM's software solution for storing hazardous goods and materials in line with all relevant regulations, and for optimally preparing the goods for transport. CIM's hazardous materials management includes valuable instruments for storing your hazardous materials safely and in line with the very latest standards. The hazardous materials are mapped by class (such as VCI and water pollution) and allocated groupings. Detailed data can be specified on the hazardous goods class, state of matter (solid, liquid, gas), flash point and so on, which is relevant for handling (hazard and precautionary statements for instance) and transport. Safety data sheets, a hazardous materials directory and statements for the fire department list can be maintained in multiple languages.

**PROLAG Hazmat** is fully integrated into our warehouse management solution and brings significant benefits for your intralogistics.
CIM's functionality for managing hazardous substances can be used to monitor quantities in specific storage areas to ensure compliance with the relevant legislation, and also to manage bill of material elements for article sets consist-
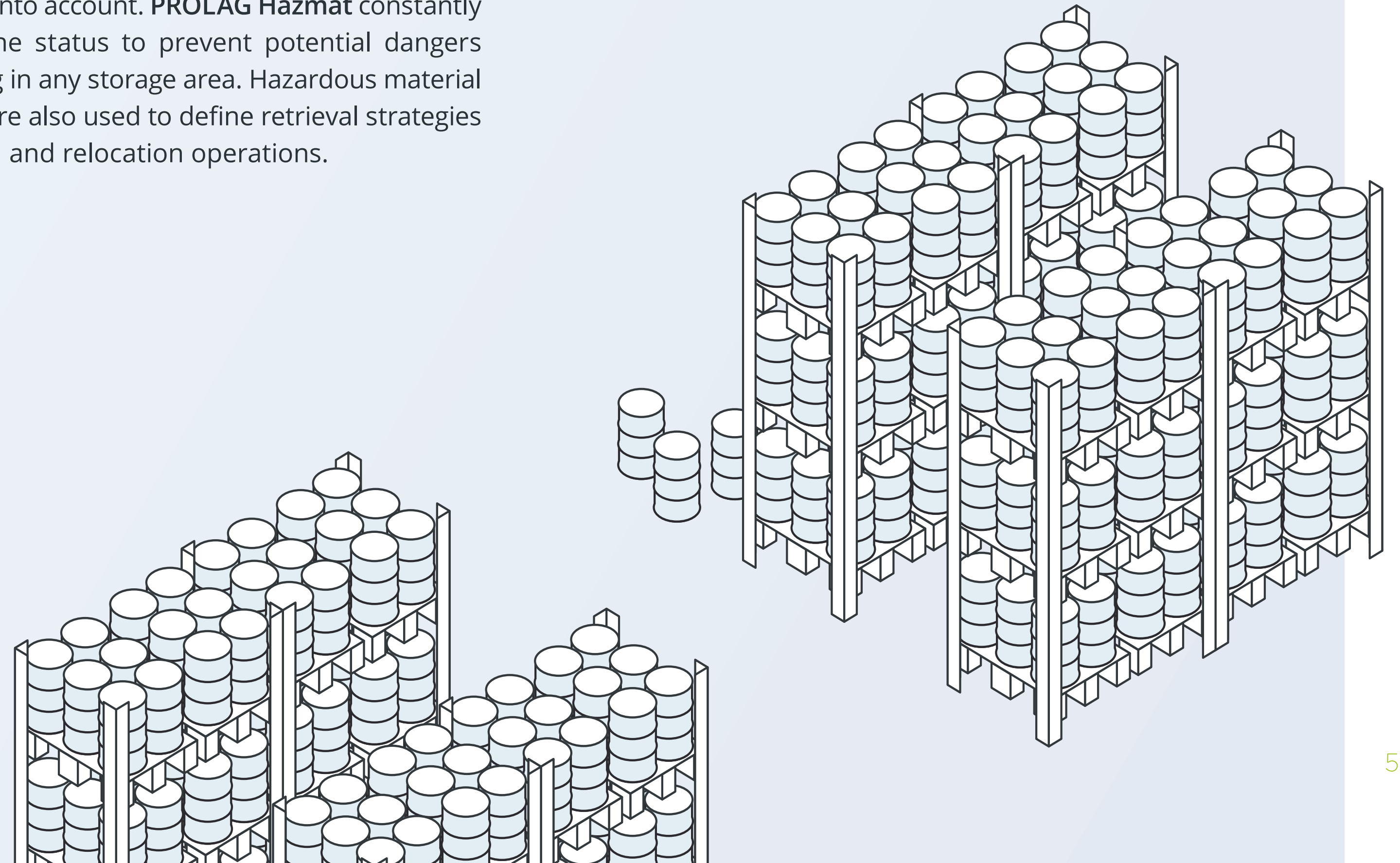
ing only partially of hazardous materials, as these are often overlooked. Automatically transferring this information to the hazardous material list significantly exceeds the legal requirements regarding fire safety in intralogistics.

# Risk minimisation thanks to hazardous material strategies and thresholds

Handling and storage of hazardous materials, such as chemical substances or mixtures, medicines and cosmetic products, is subject to certain legal requirements and obligations. **PROLAG Hazmat** uses hazardous material strategies so that any harmful substances you handle can be dealt with easily and efficiently as soon as they enter your warehouse. The system uses putaway strategies to automatically determine the best and safest storage location for each hazardous material item, taking storage compatibility guidelines and weight and volume thresholds into account. **PROLAG Hazmat** constantly monitors the status to prevent potential dangers from arising in any storage area. Hazardous material strategies are also used to define retrieval strategies for retrieval and relocation operations.

# Documentation supported by the system

Creating the appropriate documentation is essential when handling hazardous goods and materials in intralogistics. This is due to the complexity of hazardous materials storage and the high requirements that need to be fulfilled.

**PROLAG Hazmat** and **PROLAG WMS** work in tandem to fulfil logistics requirements in terms of efficient warehousing with optimal use of space and resources. The software also supports environmental and safety regulations by creating the appropriate documentation and printing the correct labels, thereby ensuring strict compliance with statutory and corporate requirements.
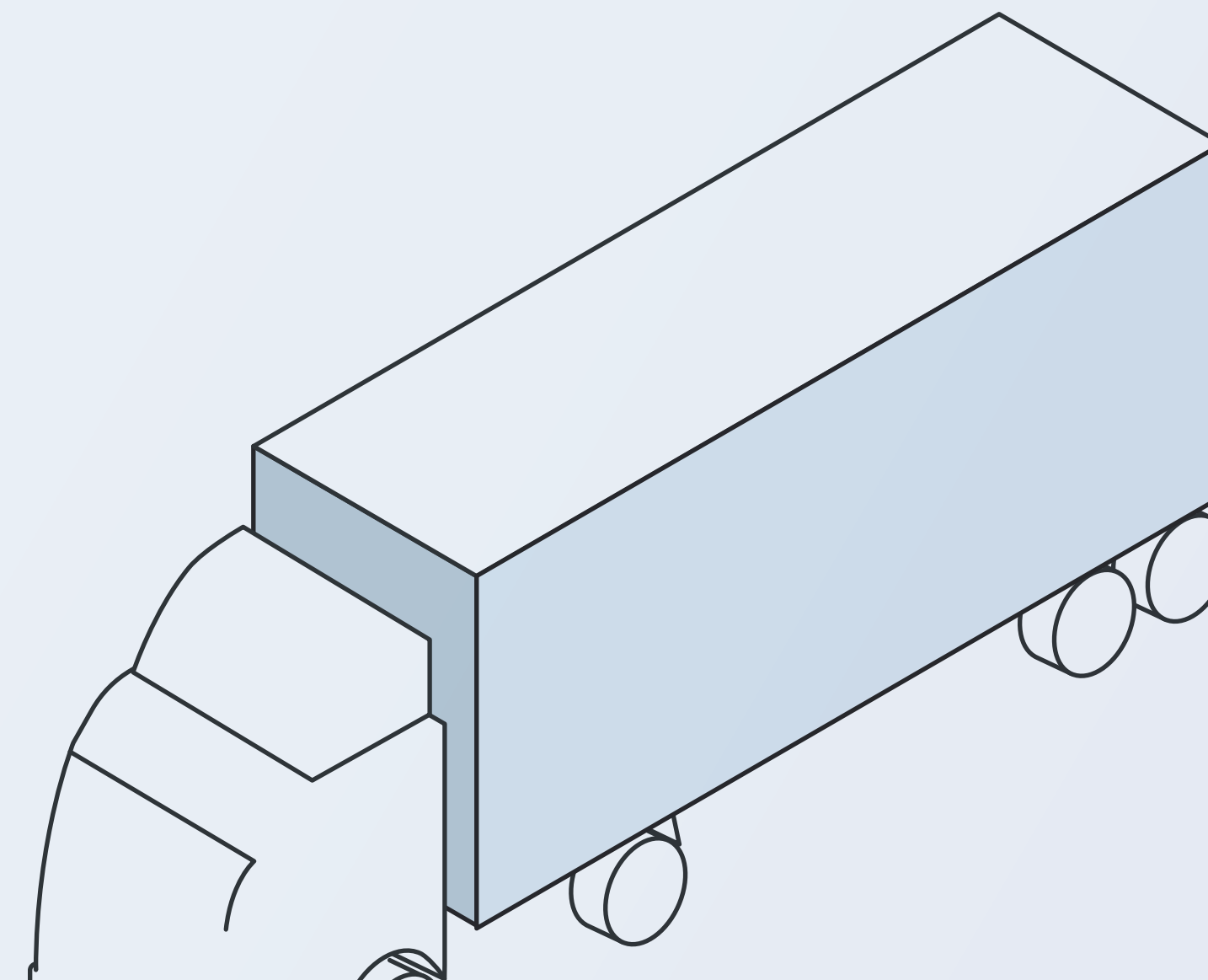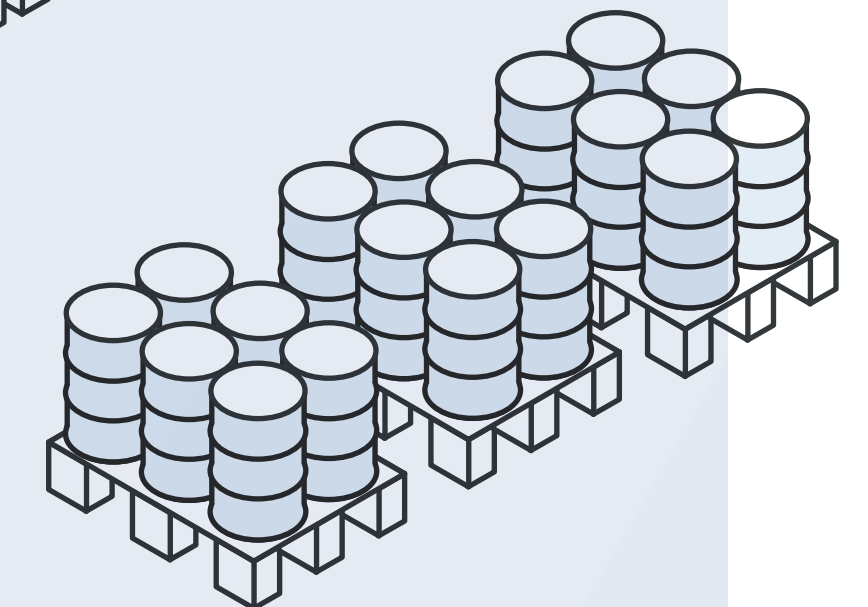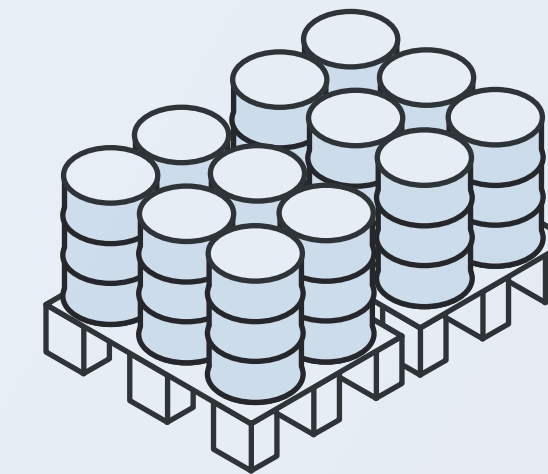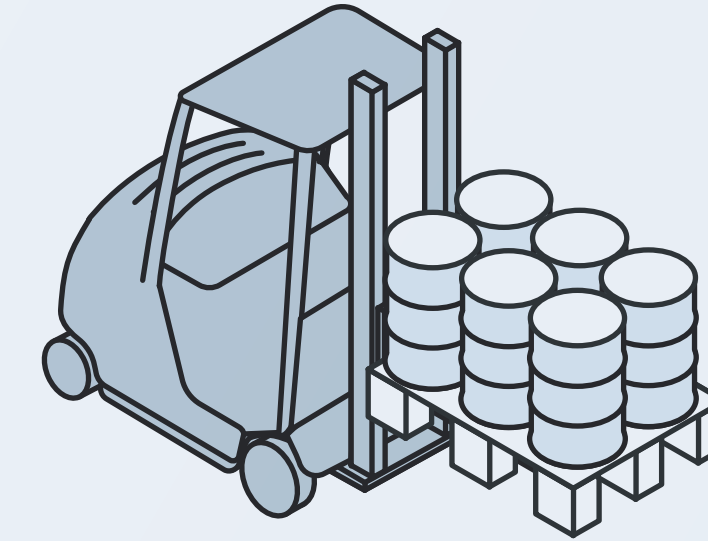


Example of documentation for hazardous materials in the warehouse.

# Safe transport in and outside the warehouse

Once hazardous materials have been retrieved from their storage locations, they are referred to as hazardous goods. Hazardous goods are by definition goods which are potentially harmful to humans, animals or the environment if not transported properly and with care. Transport of hazardous goods is a critical process requiring careful preparation both within the intralogistics environment and beyond.

**PROLAG Hazmat** guides you through the steps you need to take in order to prepare your hazardous goods for safe transport. This includes attaching appropriate safety signage to transport units or checking quantity restrictions based on the transport vehicle and transport type. In addition, **PROLAG Hazmat** features optimised packing area logic so that global commerce requirements can be met. **PROLAG Hazmat** fulfils all international standards governing the maritime transport of dangerous goods in packaged form. Transport documents are automatically fully compliant with regulations for transporting hazardous goods by air, rail, road or sea (IATA, RID, ADR and IMDG). What's more, the solution makes the packing process for hazardous goods much more efficient, which considerably simplifies and accelerates goods issue.

# References

SBB CFF FFS

DIE POST

M Munich Airport

getränke geins

ProReServ
PROFESSIONAL RETAIL SERVICE

ROYAL CANIN
WISSEN UND RESPEKT

CASIO

doka

DB SCHENKER

sigel
work inspired

HOCHDORF
Swiss Nutrition Solutions

mayr

Gebrüder LIMMERT
Aktiengesellschaft

SONAX

beurer
GESUNDHEIT UND WOHLBEFINDEN

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billerbeck
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ggm gastro
INTERNATIONAL

avesco CAT

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