

Product Stewardship - Transport - (to be updated)

Transport



Training Materials

>> Refer to the [DG user advanced training manual](#). (**broken link**)

Dangerous Goods regulations are maintained on DG Specification in **CG02** called **DG_CL_SUB**. The system is capable of maintaining the regulations for a variety of regulations (ADG, ADN, ADR, ANTT, CN_DG, DOT, IATA_C, IATA_P, IMDG, KR_DG, NOM, NZ_DG, RID, TDG, ZA_DG). Nearly all the applicable DG data is maintained on the **DG_CL_SUB** (exceptions will be noted later). The **DG_CL_SUB** passes the DG data to one or more products (PRODCOM) through the inheritance functionality. Inheritance allows the product to always have the exact data that is maintained in the **DG_CL_SUB**. If the **DG_CL_SUB** is updated, all related products will instantaneously be updated.

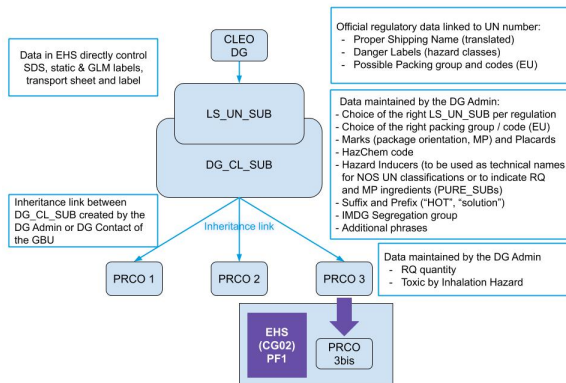
>> Refer to the [Data model page](#).

The information printed on all SDS documents comes from this data. Similarly, the Transport Sheet and other transport labels that are available in **Sinequa** come from this data.

DG Specifications are populated with a combination of regulatory data from the **CLEO database** as well as manually assigned data. The **CLEO data** is directly loaded and maintained on "*UN-listed substance*" specifications, called **LS_UN_SUB**. There is a **LS_UN_SUB** for each UN number classification. It maintains the data for UN number, proper shipping name, possible packing groups for that UN number, and danger labels (classes and sub-classes, but not marine pollutant or anything else) per each regulation. Within each **DG_CL_SUB**, an **S_UN_SUB** and Risk Potential (packing group) is assigned for each regulation. It is usually the same **LS_UN_SUB** for each regulation, but it can sometimes be different. Examples of this include when DOT is **NA1993** and other regulations are non-regulated, when TDG is **UN1170** while other regulations are **UN1987** for when ethanol content is below 24%, and when dealing with RQ products that only apply to DOT.

Useful Links

- [UNECE Homepage](#)
- [ECHA European Chemical Agency](#)
- [ChemView EPA database](#)
- [CAMEO Chemicals database](#)



For labels used at the material level in plants and other material specific shipping documents such as the BOL, each material assigned to a PRODCOM must be updated using the filling transaction in SAP (**DGE5**). Each time DG data is updated, the DG filling transaction must be ran. The filling can be run by specifying material code, specifying a PRODCOM (affects all assigned materials to PRODCOM), or by specifying a **DG_CL_SUB**, (affects all materials that are assigned to all PRODCOM's inheriting from the **DG_CL_SUB**,). It is possible to have this **DGE5** transaction ran automatically on a regular basis (e.g. daily, weekly) to ensure the data on the materials is always in sync with the data in **CG02** as it was done in legacy **Solvay (to be updated)**, however, in WP1, this transaction must be ran manually. The **DGE5** transaction updates the data on each material at the DG Master, and this material-level data can be seen using transaction **DGP3**.

DG data model

[blocked URL](#)

Focus on Dangerous Goods integration in PF1

The **DG classification** is always maintained in the module **SAP EHS** in the **WP1 ERP** . From there, it is copied over to the module **SAP EHS** of the **PF 1 ERP** via an automatic program.

In the **SAP EHS** module, data are maintained in a "**commercial product**" (or "PROD_COM"), which aggregates several materials that are the same product under different packaging. The idea in EHS is to work on an aggregated object to avoid maintaining the same information for all the package sizes.

To allow this, material codes must be assigned to EHS commercial products. This is done for **PF1** based on **material group** :

- a new material group triggers the creation of a new (and empty) commercial product in EHS. Then this commercial product may be completed or instead the material group re assigned manually to another existing (and already completed) commercial product

- a new material code attached to an existing material group is automatically assigned to the EHS commercial product to which the material group is assigned

A last step is to populate the DG master in **PF1** . This is also done via automatic program.

FAQ

By default, it will not have any DG data. If you need a new material group, you should already contact your GBU product steward and work with him /her to see if this new material group can be attached to an existing commercial product in SAP EHS or if it is really a new commercial product (with its own composition for example). Anticipate as much as much because full completion from scratch of a new commercial product in SAP EHS takes about 3 weeks. Assignment to an existing one is of course quicker but here also someone needs to inform, in advance, the product steward and / or our hazcom team to which existing commercial product the new material group can be assigned, we cannot guess!

Sometimes everything was done correctly but there are some technical issues with one or the other automatic programs... In this case, it is IT only who has access to fix the issues. They work via [freshdesk tickets](#).

More questions? Contact EH&S and Substance Team .