

Classification of Substances and Mixtures

In order to place dangerous substances on the market or for the transport of dangerous goods it is necessary to classify them.

The transport of chemical products is regulated depending on the mode of transport in different regulations:

- ADR for transportation on streets
- RID for transportation by train
- ADN for inland water transport
- IMDG for see transport
- IATA for transport by airplane

These regulations differ in a lot of areas, however most classifications for them are performed by the same regime of test methods. The foundation is written down in UN Recommendations on the Transport of dangerous Goods (Model Regulations and Manual of Tests and Criteria). A lot of these tests are part of our portfolio since many years.

The hazards of a chemical product (substances and mixtures alike) have to be communicated. This aspect (among others) is covered in the CLP-regulation for classification and labelling. This regulation is the European implementation of the GHS (Globally Harmonized System). Due to this the classification done by CLP and GHS are nearly identical.

Both GHS and CLP-regulation use the same tests for classification as are used for the transport classification. Therefore a lot of synergetic effects can be generated. This is further strengthened by the fact that the same tests are applicable for the registration according to REACH. We perform the necessary physical-chemical tests and evaluation for the classification of your products, substances and mixtures.

Interested? Contact us!

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Your benefit

• Reliable statement for the classification for transport, GHS, CLP etc.

Our service offer

Determination of physical-chemical hazards according to UN Manual of Tests and Criteria and other relevant regulations



Fig. Test UN O.3 (oxidizing properties of solids)