



Contents

1	Expiry of interim regulations for labelling hazardous substances	2
2	Retrospective matting or structuring of powder coating	2
3	Supplier qualification for Deutsche Bahn	3
4	Test and evaluation methods for filiform corrosion	3
5	GSB specialist symposiums & training courses	4
6	GSB dates	4
7	Exhibitions and conventions	4
8	List of experts	5
9	Material and member lists	5

1 Expiry of interim regulations for labelling hazardous substances

From 1 June 2017, hazardous substances and mixtures may only continue to be sold in Europe if they meet the CLP regulation. The Bundesstelle für Chemikalien (German Federal Office for Chemicals) at the Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (German Federal Institute for Occupational Safety and Health) is advising on this. The European CLP regulation regulates the classification, labelling and packaging of chemical substances and mixtures. The last interim regulation expired with the deadline. Only mixtures such as household cleaning agents, solvents and building chemicals which are classified and labelled in accordance with the CLP regulation can still be sold. The new label can be recognised straightaway by the colour and shape of the pictograms. The CLP pictograms are diamond-shaped with a black symbol and red frame. They replace the black symbols on an orange square, which are no longer permitted. Customers should reject products with “old” labelling after 1 June 2017.

With the CLP regulation, the European Union has implemented the recommendations of the United Nations for the so-called Globally Harmonised System (GHS). This is an important step in harmonising the classification, labelling and packaging of chemicals around the world. Conversion to the new labelling took place in stages, initially for substances and then for mixtures. This meant that the manufacturers, importers and formulators had enough time to familiarise themselves with the new regulations and introduce the necessary changes. Over the past two years, it has still been possible to sell mixtures with the old hazard label, as long as they were already on the market before 1 June 2015 and were on shop shelves, for example. The deadline to sell off these old mixtures has now expired as of 1 June.

This deadline is of key importance for trade. Only mixtures which are classified and labelled in accordance with the CLP regulation can still be sold. Suppliers have managed to introduce the new labels on time for the vast majority of mixtures and sell off the old goods. However, how is individual existing stock to be handled which may still be on the shop shelves just before the deadline passes? In order to prepare for the deadline, these remaining products should be removed from the shelves. This concerns sales outlets at which customers are able to use self-service. Furthermore, sales staff should be informed, so that mixtures with the discontinued label cannot be passed on from the warehouse. Products which are still supplied with the old labels up to the deadline can be returned to the supplier. Alternatively, they can be relabelled. In this case, however, measures must be taken for quality assurance. For example, upstream suppliers can provide suitable stickers with the new label.

Commercial and private users who have purchased mixtures with the “old” label and are using them up and not selling them on are not affected by this deadline. The label does not need to be changed for in-house use. However, if necessary, a correct response must be given to the revised classification. **In this case, operating instructions must include clear handling requirements for both options, that is for the old and new classification and labelling system.**

Source: <https://www.analytik-news.de/Presse/2017/234.html>

2 Retrospective matting or structuring of powder coating

Time and again, additives are being offered which can be applied retrospectively to the powder coatings in order to achieve a visual effect. Matting or structuring powder coatings by means of retrospective application of additives nullifies the GSB quality seal for the product used. This is because a subsequent change to the system also consequently means a change to the system properties which can no longer be tracked. From this point on, the previous (high) quality standard can no longer be guaranteed.

3 Supplier qualification for Deutsche Bahn

DBS 918340 Technical Conditions of Delivery – Powder coating for exterior and interior railway vehicle components

In issue 02/2016 of GSB News, we reported that Deutsche Bahn recognises the GSB quality seal as a supplier qualification.

Coaters who hold a GSB International quality seal – Standard, Master or Premium – for aluminium in accordance with GSB QR 631 can qualify by presenting their certificate.



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In June 2016, the revised conditions of delivery for Deutsche Bahn were published (DBS 918340) and came into force on 1 January 2017. The significant differences between the new quality assurance system and the old guideline TL 918340 are outlined in the current issue of JOT 07/2017.

For clarification of particular details, please contact the offices of GSB International.

4 Test and evaluation methods for filiform corrosion

Schäfter+Kirchhoff, a company based in Hamburg, has developed the “Corrosion Inspector”, a test and evaluation system which can be used by the operator to automatically and objectively evaluate filiform corrosion and other signs of corrosion.

Filiform corrosion is a special type of corrosion which occurs on coated aluminium and low-alloy steels. When in contact with water, oxygen and starter salts, corrosion cells form which spread slowly and progressively between the metal and coating as thread-like infiltrations, sometimes called worm track corrosion. A magnifying glass with integrated scale is often used as an aid to manual evaluations. The “Corrosion Inspector” was developed to speed up and objectify the evaluation of filiform corrosion and other signs of corrosion on test plates.

Implementations include, for example:

- Filiform corrosion in accordance with ISO 21227-4
- Average infiltration width UF
- Filament length ranking, maximum filament length
- Evaluation in accordance with GSB
- Delamination and corrosion in accordance with ISO 4628-8
- Determination of stone-chip resistance in accordance with ISO 20567-1

Reproducible results

For selected scribe samples, the software recognises the scribe location automatically. It is also possible to manually define the scribe location. The infiltration area, the average infiltration width, the length and number of filaments, and the delamination and corrosion area are all measured. The automatically calculated measurement values can also be measured manually.

Source:

http://www.besserlackieren.de/Technik-Produkte/Mess-Prueftechnik/Dem-Wurmfrass-auf-der-Spur?utm_source=newsletter&utm_medium=email&utm_campaign=BL_Newsletter_28.04.2017&utm_content=Dem-Wurmfrass-auf-der-Spur

Schaefter + Kirchhoff GmbH, Hamburg, Peter Gips

5 GSB specialist symposiums & training courses

- **Surface pre-treatment**
 Date: To be confirmed
 Location: Düsseldorf
 Participants: 20

- **Steel**
 Date: 18 October 2017
 Location: Schwäbisch Gmünd
 Participants: 30

- **Aluminium**
 Date: 15/16 November 2017
 Location: Schwäbisch Gmünd
 Participants: 30

6 GSB dates

- **Board – 4th meeting**
 Date: 29 November 2017
 Location: Düsseldorf
- **Aluminium Quality Committee – 3rd meeting**
 Date: 10/11 October 2017
 Location: Bielefeld
- **Steel Quality Committee – 2nd meeting**
 Date: 19 October 2017
 Location: Schwäbisch Gmünd

7 Exhibitions and conventions

- **Paint Expo 2018**
 Date: 17 – 20 April 2018
 Location: Karlsruhe
- **ALUMINIUM 2018 – World Trade Fair and Congress**
 Date: 9 – 11 October 2018
 Location: Düsseldorf

Seminars

GDA seminars (www.aluinfo.de)

- **Technology of Extruded Aluminium Profiles**
 Date: 12 September 2017
 Location: Lindner Hotel Airport, Düsseldorf
- **Aluminium and its alloys – an introduction for technicians and traders**
 Date: 26/27 October 2017
 Location: Fachschule für Wirtschaft und Technik, Clausthal-Zellerfeld

- **Surface treatment of aluminium**

Date: 7/8 November 2017
Location: Lindner Hotel Airport, Düsseldorf

- **GDA in-house seminars**

Date: By arrangement
Location: On location at customer site

8 List of experts

The GSB office has a list of experts complete with all contact details, which you are welcome to request via info@gsb-international.de if interested.

9 Material and member lists

The new GSB International website has been online since the beginning of June 2013. The lists that used to be enclosed can be downloaded from the website. If there are changes, the lists are updated at the end of the month.

