



Environmental protection, occupational health

**Prohibited substances****S 132030-1**

Parts, products, packaging

ICS 01.100; 13.020; 13.100; 21.100; 55.040

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Descriptors: Occupational health, product, part, packaging, substance, environmental protection, prohibited substances, substance prohibition, list of prohibited substances

Umweltschutz, Arbeitsschutz; Verbotene Stoffe; Teile, Erzeugnisse, Verpackung

Deskriptoren: Arbeitsschutz, Erzeugnis, Teil, Verpackung, Stoff, Umweltschutz, Verbotene Stoffe, Stoffverbot, Negativliste

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**Revisions**

Compared to the 2006-10-27 edition, the following revisions have been made:

Section 3.2 : Relevant EC directives and ordinances added,

Section 3.3 : Text and table revised and added,

Section 4.1 : Text revised.

and 4.2

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### REACH Ordinance No. 1907/2006/EC

The requirements set out in the applicable version of the REACH ordinance (Registration, Evaluation, Authorization and Restriction of Chemicals) and of all its appendices apply insofar as an application falls within the scope of this directive. The application of the REACH ordinance must be ensured.

Link: [http://echa.europa.eu/legislation/reach\\_legislation\\_en.asp](http://echa.europa.eu/legislation/reach_legislation_en.asp)

Suppliers must ensure that mandatory information is provided about substances of very high concern (SVHC) contained in products, as set out in article 33 of the REACH ordinance. A declarable product (D) is any product which contains a substance included in the candidate list according to article 59 of the REACH ordinance in a concentration of more than 0,1 weight percent.

As soon as a substance is included in Annex XIV of the REACH ordinance (list of substances subject to authorization), the supplier has to declare it if this substance is a constituent of the formula for a material contained in his product. Action shall be taken immediately, together with the Schaeffler development departments concerned, to find a substitute for such a material. Link: [http://echa.europa.eu/chem\\_data\\_en.asp](http://echa.europa.eu/chem_data_en.asp)

### 3.3 Special prohibition of substances and declaration requirement

In addition to general substance prohibitions, the substances listed in Annex XIV of the REACH ordinance (list of substances subject to authorization) and the substances listed below are prohibited (P) or require declaration (D) if they have been intentionally added. For unintended contaminations, a limit value of 0,1 percent by weight of homogeneous material applies (definition according to GADSL, RoHS).

Seq. no.	Substance	CAS no.	D/P	Limit value in weight %	Testing to
1	Bromated flame retardants	All	P	0,1	a)
2	Di-(2-ethylhexyl)phthalate (DEHP), dioctylphthalate (DOP)	117-81-7	P	0,1	a)
3	Di-n-octylphthalate (DNOP)	117-84-0	P	0,1	a)
4	Dibutylphthalate (DBP)	84-74-2	P	0,1	a)
5	Butylbenzylphthalate (BBP)	85-68-7	P	0,1	a)
6	Bis(2-ethylhexyl)isophthalate (DOIP)	137-89-3	P	0,1	a)
7	Bis(2-methoxyethyl)phthalate	117-82-8	P	0,1	a)
8	Diphenylphthalate	84-62-8	P	0,1	a)
9	Dipentylphthalate	131-18-0	P	0,1	a)
10	Diisopentylphthalate	605-50-5	P	0,1	a)
11	Bis(3,5,5-trimethylhexyl)phthalate	14103-61-8	P	0,1	a)
12	Diisobutylphthalate (DIBP)	84-69-5	P	0,1	a)
13	Diisononylphthalate (DINP)	28553-12-0	P	0,1	a)
14	Diisodecylphthalate (DIDP)	26761-40-0	P	0,1	a)
15	N,N'-Di-o-tolylguanidine (DOTG)	97-39-2	P	0,1	a)
16	Dimethylfumarate (DMF)	624-49-7	P	0,1	a)
17	Perfluorooctane sulfonates (PFOS)	All	P	0,1	a)
18	Perfluorooctane acids (PFOA)	All	P	0,1	a)
19	Tin-organic compounds	acc. to Directive 2009/425/EC	P	0,1	a)

a) The test method must be indicated.

### 3.4 Special, application-specific prohibition of substances

The following substances are not prohibited in terms of environmental health and safety. However, in certain applications, the presence of these substances may be disruptive. Therefore, a prohibition of these substances above the limit values given below does not apply generally, but only if explicitly agreed for the product in question.

For such special, application-specific prohibition of substances, both content and contamination of the products shall be taken into account.

Seq. no.	Substance	Permissible limit value	Testing to
1	Organically bound silicon - on surfaces - as a material constituent	max. 3 Atom-% max. 1 ppm	ESCA, TOF-SIMS <sup>a)</sup>

a) The test method must be indicated.

### 3.5 Packaging materials

The substance restrictions given in sections 3.2 and 3.3 do not apply for the packaging materials of the products concerned. In packaging materials, the cumulative concentration of lead, cadmium, mercury and chromium(VI) must not exceed the limit value of 100 ppm (EU Packaging Directive 94/62/EG).

Where special, application-specific substance prohibitions apply for products, parts or components (3.4), they also apply for the packaging.

## 4 Information provided in drawings and other documents

### 4.1 Information in drawings

If restricted substances per S 132030-1 are to apply, standardized drawing note 47\_18 must be used:

Stoffbeschränkungen  
nach S 132030-1

Restricted Substances  
acc. to S 132030-1

- Customer delivery drawings:

The restricted substance information is only included in the customer delivery drawings if this is requested by the customer.

- Finished part and in-process drawings:

On all internal drawings the text can be used, if required.

In the case of order drawings to suppliers, the use of the text is mandatory.

Note: Where the information about restricted substances on the customer delivery drawings has been agreed, this information must also appear on the associated finished part and in-process drawings.

### 4.2 Information in other documents (e.g. delivery conditions)

In cases where there is no order drawing, the delivery conditions must contain a note about restricted substances acc. to S 132030-1; the text "Restricted Substances acc. to S 132030-1" must be used for this purpose.

### 4.3 Application-specific prohibition of substances

If special, application-specific prohibited substances as per 3.4 are to be agreed for products, this must be explicitly indicated in the drawing or the delivery conditions. An indication on the drawing is preferred.

Seq. no.	Substance	Additional indication (German)	Additional indication (English)
1	Organically bound silicon	- zusätzlich Silikonverbot -	- plus prohibition of silicone -

Example for a prohibition of organically bound silicon

Stoffbeschränkungen  
nach S 132030-1  
- zusätzlich Silikonverbot -

Restricted Substances  
acc. to S 132030-1  
- plus prohibition of silicone -

## 5 Declaration of substances

For the declaration of substances, a material data sheet as contained in the International Material Data System (IMDS, to be found at: [www.mdssystem.com](http://www.mdssystem.com)) is sufficient, provided that this data sheet has been prepared in accordance with the IMDS rules applicable at the moment its preparation (in particular GADSL).

Alternatively, the declaration can be made using the form sheet "Production Part Approval Process – Constituents of Purchased Parts" (Appendix 5 of S 296001-2).

Prohibitions of substances can be restricted or lifted on an exceptional basis. Such exceptions must be stated in writing in the delivery agreements.

The acceptance of a data sheet in the IMDS does not constitute an exceptional approval of otherwise prohibited substances.

**Other applicable standards, standards cited and documents**

S 296001-2	Quality Assurance Agreement with Production Material Suppliers; Production Process and Product Approval
94/62/EC	EC Directive on Packaging and Packaging Waste
2002/95/EC	EC Directive on the Restriction of the Use of Certain Hazardous Substances in Electronic Equipment (RoHS Directive)
2000/53/EC	EC Directive on End-of-Life Vehicles (ELV Directive)
1907/2006/EC	Ordinance on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH Ordinance)
GADSL	Global Automotive Declarable Substance List

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