

Prohibition and declaration of substances

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Changes: Chapter 6:
 Rules for Supplier & Material Declaration
 Introducing new declaration format CDX
 Clarification about use of declarations formats
 Chapter 8:
 Regulation 1907/2006 about Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)
 Clarification of the supplier obligations regarding the REACH Regulation

Change information: [AEN 4497R28112](#) (internal document of the Bosch Group)

Area of validity, binding force, freedom to disclose

| | |
|-----------------|---|
| Valid for | Bosch Group |
| Binding for | RB, TOGE, RG |
| Binding due to | Central directive CD 03802: Bosch-Norm N 2580 "Prohibition and declaration of substances" |
| Recommended for | BEGE |
| Disclosure | No restrictions |

This Bosch-Norm is binding for suppliers if it is part of the order.

General information

| | | | |
|-----------------------------------|--|--|--|
| Series | N 2580 Prohibition and declaration of substances | | |
| Bosch-Norm standardization expert | sat2arn C/CET2 (497) | | |
| Document language | en | | |
| Original language | de | | |

Translation

| Release date | Source language | Target language | Translated by |
|--------------|-----------------|-----------------|---------------|
| 2017-09-18 | de | en | C/CET2 (497) |

In case of doubt the original language edition of this Bosch-Norm applies.
The comma is used as the decimal marker.

Printed versions and copies of NormMaster documents are not subject to the NormMaster update service. Up-to-dateness is not guaranteed.

1 Scope

Bosch-Norm N 2580-1 regulates prohibited substances and those rated declarable in materials (definition see section 2), and it is part of the requirements (specifications) for materials. It helps implementing statutory requirements and requirements on the part of Bosch-customers.

The regulations are listed in the appendix “Supplier declaration“. **These regulations are valid worldwide.**

2 Definition material

Material in terms of this Bosch-Norm is everything that remains in a Bosch product, all that is used by Bosch as auxiliary manufacturing material, and all that Bosch passes on to external customers as packaging.

Examples of material:

- Complete product including merchandise
- Component
- Semi-finished part
- Material
- Preparation or mixture
- Pure substance
- Soldering material
- Adhesive
- Lubricant
- Cooling lubricant
- Surface degreasing agent
- Anticorrosive agent
- Material for sandblasting
- Material for hardening
- Material for forming processes
- Packaging including conditioning such as desiccants or anticorrosive agents
- Advertising merchandise, toys, and food

Substance restrictions for this group are not listed in the supplier declaration and will be handled individually by the ordering department.

3 Legality

This Bosch-Norm has no impact on the duty of compliance with statutory requirements.

4 Material change

Changes of supplied materials, e. g. due to alterations of statutory requirements, are to be coordinated early with the responsible purchasing authority at Bosch. Details are stipulated by the Quality Assurance Agreement (QAA).

This applies in particular if, in the case of statutory requirements, a limited exception has been used and the term of exception is ending. In the absence of any other agreement the material changes have to be completed one year prior to the statutory date at the latest.

5 Information for suppliers

In accordance with section 6.3 the supplier is under the obligation to obtain the currently valid version of the Bosch-Norm.

The following information is available at

<http://purchasing.bosch.com/en/de/info/download/downloads.html>

(www.bosch.com – Purchasing & logistics – Downloads & more – Downloads):

- always the valid edition of Bosch-Norm N 2580-1
- the supplier declaration
- a letter of information regarding the changes as compared to the preceding edition

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6 Rules for performing the declaration

Declaration can be made for one or several part numbers (family declaration) if the ingredients are identical in content and concentration in the materials supplied (e.g. use of the same material in series or product families). The declaration must reference all related Bosch part numbers.

6.1 Declaration formats for material declaration

6.1.1 Formats for material declaration

The N 2580 offers several ways for the material declaration. Each declaration has to show the relation between supplied material and Bosch part number(s).

| Declaration formats Bosch business sectors | IMDS  | N2580 Supplier declaration (xls)  | CDX  | Other material declaration formats (e.g. IPC 1752 or compliance confirmation letters) | Safety Data Sheet (Only for single substances or mixtures) |
|---|---|---|--|--|---|
| Automotive | ✓ | ✓ <small>(permitted in agreement with the requesting department)</small> | ✓ <small>(depending on availability)</small> | ✓ <small>(permitted in agreement with the requesting department)</small> | ✓ |
| Other sectors/app application, Batteries, packaging | ✓ <small>According IMDS Terms of Use (6) (b) and (7) c</small> | ✓ | ✓ <small>(depending on availability)</small> | ✓ <small>(permitted in agreement with the requesting department)</small> | ✓ |

Preferred declaration formats

Internal | CPSS | 02/28/2017

6.1.2 Bosch Automotive

The material declaration is made via IMDS (<http://www.mdssystem.com>) to the IMDS account of Robert Bosch GmbH (ID 202, unless other details are provided). The IMDS recommendations and the Bosch IMDS Data entry guidelines http://purchasing.bosch.com/media/en/de/cp_documents/imds_guideline.pdf must be complied with.

See Internet, <http://purchasing.bosch.com/en/en/info/download/downloads.html> (www.bosch.com - Purchasing & Logistics - Downloads & more - Downloads).

If IMDS is used no N 2580 supplier declaration and cover sheet is required.

Other material declaration formats (e.g. N 2580 Supplier declaration, IPC 1752) are permitted in accordance with the requesting department.

6.1.3 Other Bosch business sectors then 6.1.2 or applications (e.g. Packaging, Batteries)

(a) Use of the IMDS data available via 6.1.1

Material declarations available in IMDS as defined in section 6.1.1 may be used as well in other Bosch business sectors, based on [IMDS Terms of Use](#) (6) (b) and (7) (c).

No additional supplier declaration is required.

(b) Use of CDX (Compliance Data Exchange)

The Bosch N 2580 Supplier Declaration & Material Declaration Excel will successively be replaced by CDX (<https://public.cdssystem.com>) at Bosch. The requesting Bosch department will notify if CDX has to be used.

(c) N 2580 Bosch supplier declaration & material declaration as Excel

A supplier declaration in the form of the signed cover sheet (in raster format (e.g. PDF)) is required. In case of an obligation to declare this is done in the Excel tool. The transmission can take place by e-mail, in exceptional cases in paper form.

Notes on processing the supplier declaration (appendix of Bosch-Norm N 2580-1) are found at tab "How to fill out" and "FAQ" in the supplier declaration and in section 8 of this Bosch-Norm.

(d) Other material declaration formats

Other material declaration formats (e.g. IPC 1752) or compliance confirmation letters are permitted in agreement with the requesting department. In case supplier provides another declaration format/confirmation letter, the confirmation to comply with the regulations in the request has to be submitted.

6.1.4 Provision of a safety data sheet (SDS)

When delivering substances and mixtures, a safety data sheet has to be submitted.

Additional material declaration is required upon request by Bosch and as described in section 6.1.1 & 6.1.2 e.g.:

- for substances and mixtures that are part of a delivered component or finished product
- for substances and mixtures that will be used by Bosch in a component or finished product
- per definition of US regulation TSCA or REACH Registration

6.2 Trigger for a declaration

The material declaration is required in case one of the following triggers apply. After becoming aware of the trigger, the supplier has to submit the declaration to the responsible Bosch contact person immediately.

- For the first time a material is sampled, placed on the market or delivered.
- Declaration so far has been incorrect or incomplete.
- Material or ingredient changed.
- New substance prohibitions and/or substance declaration obligations occur and the material supplied is affected.
- New thresholds are applicable and the delivered material is affected.
- The changes of the weight of the delivered material exceeding the agreed weight tolerances.
- There is an individual request.

7 Rating of substances

If limit values are listed for material groups, the supplier has to list the respective individual materials.

For auxiliary manufacturing materials and packaging the limit value refers to the delivery condition.

7.1 Definition limit value

If no limit value is specified, the value of 0,1 % mass fraction applies.

Depending on the regulation the limit value can refer to the following:

- the supplied product
- the material
- the preparation
- the mixture
- the homogeneous material

Example:

Definition of the homogeneous material on the example of a screw: The screw consists e.g. of the metal body, a zinc coating, a passivated layer and a finishing coat.

Thus the screw contains four homogeneous materials (see GADSL- and EU-RoHS-definition).

7.2 Prohibited substances

Prohibited substances are marked "P" (Prohibition) in the appendix. They must not be included in the supplied material with a concentration above the limit value. The prohibition and/or the limit value may be related to certain applications.

A value for the concentration is not required if the concentration of the ingredient is below or equal to the limit value, in these cases confirmation of compliance with the regulation on the supplier declaration cover sheet will suffice.

Nevertheless it is recommended to provide the concentration. This does not apply to full declarations in particular to IMDS declarations.

If for a prohibited substance one uses exceptions from the corresponding regulation the exception and the concentration of the substance need to be stated.

8 Substances rated declarable

Substances rated declarable are identified as "D" (Declaration) in the appendix. The concentration of the ingredient needs to be declared if it is above the limit value. However it is recommended to provide the concentration if it is below or equal to the limit value.

9 Regulation (EC) No 1907/2006 about Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)

Independent of the obligation of the supplier to comply with requirements of the REACH regulation, Bosch points out the observation of the following:

- Declaration requirements of substances of the candidate list
- Declaration requirements for substances and mixtures with safety data sheet
- Ban of substances of Annex XIV used in production in Europe
 - The supplier has to inform the Bosch contact if such substance is in use in Europe before last application date, minimum one year before sunset date.

- Ban of substances of Annex XVII
- Registration of substances by Import into the European union
 - Supplier established outside the European Union has to appoint a natural or legal person established in the European Union to fulfil, as his only representative, the importer obligation.
 - The supplier has to inform the Bosch contact if he or the only representative did not register the substance imported by him before import.

10 Normative references

The following documents are applicable in addition to this Bosch-Norm. With dated references solely the edition referred to applies. With undated references the last edition of the indicated document applies (including all revisions). Intentionally cited historical documents are additionally identified as "H" in the column "Type."

| No. | Document number | Title | Type |
|-----|-------------------|----------------------|------|
| 1 | N 2580-1 Appendix | Material declaration | M |

Type M = document to be supplied; Z = cited document; H = historical document