

Prohibition and declaration of substances

General, overview

Folder: N 2580 Prohibition and declaration of substances
Technical responsibility: vom2si C/PS (400)



BOSCH

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1 Scope and purpose

This Bosch-Norm governs prohibition of materials and obligations to declare for all materials supplied to the whole Bosch Group worldwide. The objective is safe and environmentally sound handling for all phases of the product life cycle. It is furthermore intended to enable Bosch to comply with legal stipulations and corresponding customer requirements.

The following are impacted:

- ▶ Product materials (detail requirements in **N 2580-1.1 UBK** and **N 2580-1.1 UBI/UBG**)
 - Products
 - Components
 - Materials
 - Preparations
- ▶ Trading goods (detail requirements in **N 2580-1.1**)
- ▶ Auxiliary manufacturing materials (detail requirements in **N 2580-1.1 UBK** and **N 2580-1.1 UBI/UBG**)
 - Lubricants
 - Test media
 - Cooling lubricants
 - Emulsion cleaners
 - Hydrocarbon cleaners
 - Aqueous cleaners
 - Anticorrosive agents (also in VCI-packaging)
- ▶ Packaging materials

This Bosch-Norm is without prejudice to the supplier's obligation to comply with national legislation and regulations.

Internally at Bosch **N 2580-INT** is also to be observed.

2 Prohibition and declaration of substances

2.1 General

Substances are prohibited (identification "P") or require declaration by the supplier (identification "D") when they are identified in one of the attached Bosch-Norms depending on the application and when the listed concentration limit value is exceeded. If no concentration is identified the valid limit value is 0,1 mass-percentage.

If there are limit values for material groups the supplier has to identify the respective individual substances.

For product materials the limit value is related to the respective homogenous material¹ or to the preparation. For auxiliary manufacturing materials the limit value is related to the delivery condition.

¹ The example of the multiple coating of a screw: each layer in itself is one "homogenous material". This means that a screw of which the metal body is coated with a zinc alloy followed by a passivating layer (previously containing Cr(VI)), closed off with a "top coat", includes four homogenous materials: the body of the screw and three homogenous layers (definition by GADSL and RoHS).

A substance marked “P” is either prohibited by law for use in specified applications or must not exceed certain legally determined limit values. A substance marked “D” has to be declared when defined values for declaration are exceeded.

Regardless of the requirements of this Bosch-Norm national requirements for forwarding information regarding occupational health and environmental protection need to be complied with (e. g. EU material safety data sheet according to EU guideline **91/155/EEC**).

REACH, regulation (EC) No 1907/2006

All substances, preparations and products delivered to or produced in the European Union that fall within the scope of REACH, and that are delivered to Bosch and/or used in the production processes, the requirements of the REACH regulation have to be observed and implemented (preregistration, registration, duty to communicate information, ...)

2.2 Supplier confirmation

Suppliers of product materials, auxiliary manufacturing materials and packaging materials are under obligation to confirm on the occasion of the initial sample inspection and/or initial delivery, and in case of changes according to 2.5 in writing that none of the prohibited substances listed in **N 2580** are part of the scope of delivery and that the substances subject to declaration have been declared.

2.3 Prohibition of substances

On principle prohibited substances must not be included in supplied materials nor released during their use.

Exemptions can restrict or annul prohibitions/bans. Exemptions are limited until another technical solution is available. Exemptions require written agreement upon closing delivery contracts. In the delivery documents reference must be made to the exemption.

2.4 Declaration of substances

Substances rated declarable are to be declared with mass content and CAS number in accordance with **N2580-1-1 UBK** and/or **N2580-1.1 UBI/UBG** section 2 and **N 2580-1.2**.

Ozo-harming substances are subject to declaration based on the definition in the respective national legislation of the importing country (e. g. **2037/2000/EC** or US Clean Air Act).

Declarations need to be performed with:

- ▶ New sample inspections
- ▶ Modification sample inspections/alterations according to section 2.5 “Alterations”
- ▶ First-ever order

2.5 Alterations

The following alterations have to be declared to the Bosch contractor immediately after becoming known:

- ▶ The composition (materialwise, content-wise) changes.
- ▶ The supplied product material contains one ingredient that was (newly) included in the **N 2580**.
- ▶ Alteration of the grading of a substance included in the supplied product, component, material, preparations from declarable to prohibited (e. g. limited exemptions in accordance with Appendix II of guideline **2000/53/EG**).
- ▶ Alteration of product dimensions exceeding the tolerance identified in the offer drawing.
- ▶ Declaration so far missing.

If the data are transferred in the International Material Data System (IMDS – for suppliers of the automotive industry) the supplied department at Bosch additionally must be informed in writing about the changes.

The declaration follows section 2.4 “Declaration of substances”.

Alterations of substances becoming necessary due to legal stipulations (e.g. new law, running-out exceptions) have to be completed one year before the date stipulated by the law at the latest, and agreed early. Exceptions to this rule require written agreement of the purchasing part at Bosch.

3 Packaging materials

In packaging materials the cumulative concentration of the following elements must not exceed the limit value defined in the EU-Guideline on packaging (**94/62/EU**) of 100 ppm:

- ▶ Lead
- ▶ Cadmium
- ▶ Mercury
- ▶ Chromium (VI)

For VCI-packaging (volatile corrosion inhibitors) **N 2580-1.2** applies in addition.

Prohibition and declaration of substances in products, components, materials and preparations

Folder: N 2580 Prohibition and declaration of substances
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1 Scope and purpose

This Bosch-Norm applies to all products (trading goods), components, materials and preparations that end up in our product, in addition to **N 2580-1**, and is applied in the Automotive Technology Business Sector (UBK).

2 Prohibition and declaration of substances

Compliance with substance restrictions and identifications of the following standards is required:

2.1 GADSL

The “**Global Automotive Declarable Substance List (GADSL)** version 4.0 (2008-01-18)” (German version **VDA 232-101**).

Link: <http://www.gadsl.org>

2.2 EU-RoHS

EU-Guideline “Restriction of the use of certain hazardous substances in electrical and electronic equipment”, (**2002/95/EU**, EU-RoHS, always in valid edition).

Link: http://europa.eu.int/comm/environment/waste/weee_index.htm

Material restrictions acc. to EU-RoHS apply worldwide to all products, components, materials and preparations that come under the EU-RoHS area of validity.

Exception: For Bosch products that are only distributed outside the European Union it is permissible to deviate from this regulation. The deviation approval is notified to the supplier explicitly in the order.

2.3 Bosch requirements

Bosch-requirements made in addition to GADSL and EU-RoHS or that deviate from them are listed in Table 1 Bosch requirements in the Automotive Technology Business Sector.

Table 1 Bosch requirements in the Automotive Technology Business Sector

Material designation	CAS-Nr.	D/P ¹	Notes and supplementary rules as well as limit values deviating from 0,1 % ²
Only for lubricants			
Aromatics in DMSO soluble aromatics content in mineral oil products		P	3 % in lubricant base oils; determination based on IP 346
Chlorine (Chlorine total)	7782-50-5	P	10 ppm
Tricresylphosphate with esterified o-kresole	70-30-8	P	
For all substances			
Benzo(a)pyrene	50-32-8	P	1 ppm

¹ Obligation to declare (D) and / or Prohibited (P)

² The method of determination needs to be listed

Material designation	CAS-Nr.	D/P ¹	Notes and supplementary rules as well as limit values deviating from 0,1 % ²
Polycyclic aromatic hydrocarbons (PAHs / PAKs), total	see chapter 3, Table 2	D	10 ppm, 16 PAKs based on EPA ³ , (for consumer goods, e. g. windshield wiper) 10 ppm, 8 PAKs based on GADSL (for all other products) (see chapter 3, Table 2 "Listing PAHs (PAKs) based on EPA and GADSL")

2.4 Declaration of substances in the International Material Data System (IMDS)

For all products, components, materials and preparations in the area of the automotive industry an entry in IMDS (International Material Data System; www.mdsystem.com; Account Robert Bosch GmbH, #202) needs to be generated. This is regardless of whether substances rated declarable according to **N 2580-1.1 UBK** are included.

References to existing IMDS Committee entries are requested in so far as they apply with a look at the composition. Upon data entry the requirements of the IMDS-Recommendations are to be observed. For the declaration of electronic components the use of IMDS is to be preferred. Perform the declaration in accordance with IPC-1752. Family declaration in accordance with the Umbrella Specs defined via the ZVEI is accepted.

3 Listing PAHs (PAKs) based on EPA and GADSL

Table 2 Listing PAHs (PAKs) based on EPA and GADSL

16 PAHs (PAKs)	CAS-No.	8 PAHs (PAKs) based on GADSL	Appendix I of Materials directive 67/548/EEC
Acenaphthene	83-32-9		
Acenaphthylene	208-96-8		
Anthracene	120-12-7		
Benz(a)anthracene	56-55-3	Benz(a)anthracene	T, toxic; Carc. Cat.2, substances that ought to be considered carcinogenic for humans
Benzo(b)fluoranthene Benz[e]acephenanthrylene	205-99-2	Benz(e)acephenanthrylene Benzo(b)fluoranthene	T, Carc. Cat.2
Benzo(k)fluoranthene	207-08-2	Benzo(k)fluoranthene	T, Carc. Cat.2
Benzo(ghi)-perylene	191-42-2		
Benzo(a)pyrene	50-32-8	Benzo(a)pyrene	T, Carc. Cat.2
Chrysene	218-01-9	Chrysene	T, Carc. Cat.2
Dibenzo(a,h)-anthracene	53-70-3	Dibenzo(a,h)-anthracene	T, Carc. Cat.2
Fluoranthene	206-44-0		
Fluorene	86-73-7		
Indeno[1,2,3-cd]pyrene	193-39-5		

³ EPA = Environmental Protection Agency

16 PAHs (PAKs)	CAS-No.	8 PAHs (PAKs) based on GADSL	Appendix I of Materials directive 67/548/EEC
Naphthalene	91-20-3		Xn, harmful; Carc. Cat.3, substances under suspicion of being carcinogenic
Phenanthrene	85-01-8		
Pyrene	129-00-0		
	192-97-2	Benzo(e)pyrene	T, Carc. Cat.2
	205-82-3	Benzo(j)fluoranthene	T, Carc. Cat.2

Additionally applicable documents

- ▶ N 2580-1
- ▶ GADSL, www.gadsl.org
- ▶ EU-RoHS, [2002/95/EC](http://eur-lex.europa.eu/LexUri.do?uri=CELEX:2002L0095:de:HTML)
- ▶ Directive on batteries and accumulators, [2006/66/EC](http://eur-lex.europa.eu/LexUri.do?uri=CELEX:2006L0066:de:HTML)

Prohibition and declaration of substances

in products, components, materials and preparations

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1 Scope and purpose

This Bosch-Norm applies to all products, components, materials and preparations that end up in our product, in addition to N 2580-1, and is applied in Business Sectors Industrial Technology (UBI) and Consumer Goods and Building Technology (UBG).

2 Prohibition and declaration of substances

Compliance with substance restrictions and identifications of the following standards is required:

The **prohibited** substances (classification "P") of the "**Global Automotive Declarable Substance List (GADSL)** version 4.0 (2008-01-18)" (German version **VDA 232-101**) apply to the whole Bosch Group, independent of the application case.

Link: <http://www.gadsl.org>

Exception: For products that are subject neither to the EU Directive on end-of-life-vehicles **2000/53/EC** nor to the EU Directive RoHS **2002/95/EC**, the use of Cr(VI) and Pb is still permissible.

Material restrictions acc. to EU-RoHS (**2002/95/EC**, always in the valid edition) "Restriction of the use of certain hazardous substances in electrical and electronic equipment" apply worldwide to all products, components, materials and preparations that come under the EU-RoHS area of validity.

Link: http://europa.eu.int/comm/environment/waste/weee_index.htm

The EU Directive **2006/66/EC** on batteries and accumulators has to be applied worldwide.

Exception: For Bosch products that are only distributed outside the European Union it is permissible to deviate from the directives **2002/95/EC** and **2006/66/EC**. The deviation approval is notified to the supplier explicitly in the order.

In the Business Sectors Industrial Technology (UBI) and Consumer Goods and Building Technology (UBG) the **obligation to declare** is restricted to the substances listed in Table 1. For all deliveries generate the declaration using the form sheet in appendix A of this Bosch-Norm. If the above stated laws define explicitly any exception rules, these may be applied. Substances that acc. to the above regulations are generally prohibited, however may be applied following the exception rules, have always to be declared in addition to the substances identified in Table 1.

2.1 Bosch requirements

Bosch requirements made in addition to GADSL and EU-RoHS are listed in Table 1.

Table 1 Bosch requirements for the Business Sectors Industry (UBI) and Consumer Goods (UBG)

Material designation	CAS-No.	D/P ¹	Notes and supplementary rules as well as limit values deviating from 0,1 % ²
Only for lubricants			
Aromatics in DMSO soluble aromatics content in mineral oil products		P	3 % in lubricant base oils; determination based on IP 346
Chlorine (Chlorine total)		P	10 ppm, calculated as element, in accordance with DIN ISO 15597 (RFA)

¹ Obligation to declare (D) and / or Prohibited (P)

² The method of determination needs to be listed

Material designation	CAS-No.	D/P ¹	Notes and supplementary rules as well as limit values deviating from 0,1 % ²
Tricresylphosphate with esterified o-kresole	78-30-8	P	
For all substances			
2,2',6,6'-Tetrabrombisphenol A (TBBPA)	79-94-7	D	e.g. flame retardants in printed circuit boards, plastics
Arsenic and its compounds		D	0,15 % e.g. lead and copper alloys, metal adhesives, soft solder, color pigments
Benzo(a)pyrene, (other PAKs under "P")	50-32-8	P	1 ppm
Decabromdiphenylether (decaBDE)	1163-19-5	D P ³	e.g. flame retardants in printed circuit boards, plastics
Hexabromocyclododecane (HBCDD)	25637-99-4 3194-55-6	D	e.g. flame retardants in printed circuit boards, plastics
Phtalates (DBP, DEHP, BBP, DINP, DIDP, DNOP)	84-74-2, 117-84-0, 85-68-7, 28553-12-0, 26761-40-0, 117-84-0	D	Softening agents in plastics
Polycyclic aromatic hydrocarbons (PAKs), total, see Section 3, Table 2	see Section 3, Table 2	D	10 ppm, 16 PAKs acc. to EPA ⁴ , (for consumer goods, e.g. Power Tools) 10 ppm, 8 PAKs acc. to GADSL (for all other products (see Section 3, Table 2 "PAKs sorted by EPA and GADSL")

3 List of PAKs sorted by EPA and GADSL

Table 2 List of PAKs sorted by EPA and GADSL

16 PAKs	CAS-No	8 PAKs acc. to GADSL	Appendix I of the Directive on hazardous substances 67/548/EEC
Acenaphthene	83-32-9		
Acenaphthylene	208-96-8		
Anthracene	120-12-7		
Benz(a)anthracene	56-55-3	Benz(a)anthracene	T, toxic; Carc. Cat.2, substances, that shall be considered carcinogenic to people
Benzo(b)fluoranthene (Benz(e)acephenanthrylene)	205-99-2	Benz(e)acephenanthrylene (Benz(b)fluoranthene)	T, Carc. Cat.2

³ Effective 2008-07-01, prohibited for products that come under the validity of the EU RoHS

⁴ EPA = Environmental Protection Agency

16 PAKs	CAS-No	8 PAKs acc. to GADSL	Appendix I of the Directive on hazardous substances 67/548/EEC
Benzo(k)fluoranthene	207-08-2	Benzo(k)fluoranthene	T, Carc. Cat.2
Benzo(ghi)-perylene	191-42-2		
Benzo(a)pyrene	50-32-8	Benzo(a)pyrene	T, Carc. Cat.2
Chrysene	218-01-9	Chrysene	T, Carc. Cat.2
Dibenzo(a,h)-anthracene	53-70-3	Dibenzo(a,h)-anthracene	T, Carc. Cat.2
Fluoranthene	206-44-0		
Fluorene	86-73-7		
Indeno(1,2,3-cd)pyrene	193-39-5		
Naphthalene	91-20-3		Xn, harmful; Carc. Cat.3, substances, likely to be carcinogenic
Phenanthrene	85-01-8		
Pyrene	129-00-0		
	192-97-2	Benzo(e)pyrene	T, Carc. Cat.2
	205-82-3	Benzo(j)fluoranthene	T, Carc. Cat.2

Additionally applicable documents

- ▶ N 2580-1
- ▶ GADSL, www.gadsl.org
- ▶ EU-RoHS, 2002/95/EC
- ▶ Directive on batteries and accumulators, 2006/66/EC

Prohibition and declaration of substances in auxiliary manufacturing materials

Folder: N 2580 Prohibition and declaration of substances
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1 Scope and purpose

This Bosch-Norm is applied in all business sectors. It applies to the auxiliary manufacturing materials listed below in addition to **N 2580-1**:

- ▶ Lubricants
- ▶ Test media
- ▶ Cooling lubricants
- ▶ Emulsion cleaners
- ▶ Hydrocarbon cleaners
- ▶ Aqueous cleaners
- ▶ Anticorrosive agents (also in VCI-packaging)

2 Prohibition and declaration of substances

2.1 VKIS-VSI-IGM material list

Compliance with the material restrictions and identifications of the “VKIS-VSI-IGM material list for cooling lubricants in accordance with **DIN 51385**” (2007-11-21) as well as Table 1 (additional and deviating) is required to all manufacturing materials listed in section 1.

Link: <http://www.vkis.org> → Fachbeiträge (techn. papers).

2.2 Bosch-requirements

Requirements made in addition to “VKIS-VSI-IGM Material list” or that deviate from them are listed in Table 1.

Table 1 Bosch-requirements

Material designation	CAS-No.	D/P ¹	Notes and supplementary rules as well as limit values deviating from 0,1% ²
Anti-aging agents on basis of phenol and amine		D	5% in lubricants and test media
Benzole	71-43-2	P	100 ppm materials and preparations Exception: Fuels; crude oil and virgin gasoline for fuel production
Azo-dyes with carcinogenic amine components		P	10 ppm in lubricants coloring of products prevents any mix-up (see section 3)
Biocides, unless otherwise listed; e. g. pyriithiones		D	In anticorrosive agents, aqueous cleaning agents, water miscible cooling lubricants and emulsion cleaners
Chlorine total content		P	In anticorrosive agents, aqueous cleaning agents, water miscible cooling lubricants and emulsion cleaners

¹ Obligation to declare (D) and/or Prohibited (P)

² The method of determination needs to be listed

Material designation	CAS-No.	D/P ¹	Notes and supplementary rules as well as limit values deviating from 0,1% ²
Phenol	108-95-2	P	1 ppm in anticorrosive agents, aqueous cleaning agents, cooling lubricants, emulsion cleaners and hydrocarbon-cleaning substances
Alkyl phenoles and their isomers, ethoxylates and esters; e. g. Nonyl phenol Octyl phenol	25154-52-3 67554-50-1	P	10 ppm in aqueous cleaning agents, cooling lubricants and emulsion cleaners
Heavy metals and their combinations, calculated as element			
Lead	(7439-92-1)	P	10 ppm in lubricants
Zinc		P	10 ppm in anticorrosive agents and cooling lubricants. Exemptions with non-water miscible cooling lubricants
Total heavy metals		P	10 ppm in anticorrosive agents, aqueous cleaning agents, cooling lubricants, emulsion cleaners and hydrocarbon-cleaning substances Exemptions for Zn with non-water miscible cooling lubricants
Silicones		P	1 ppm in anticorrosive agents, aqueous cleaning agents, cooling lubricants, emulsion cleaners and hydrocarbon-cleaning substances
Siloxanes		D	In water miscible cooling lubricants
Sulfonates (total)		D	In lubricants and test media
Tricresylphosphates and dicresylphosphates			
Tricresylphosphates and dicresylphosphates (total)	1330-78-5	P	10 ppm in anticorrosive agents, cooling lubricants and emulsion cleaners 0,5% in lubricants and test media
Tricresylphosphates with esterified o-kresole	78-30-8	P	In lubricants and test media
VCI-ingredients		D	In anticorrosive agents

3 Carcinogenic amine components in Azo dyes

Table 2 Carcinogenic amine components in Azo dyes

Component	CAS-No.
Biphenyl-4-amine (4-aminobiphenyl)	92-67-1
Benzidine	92-87-5
4-chloro-o-toluidine	95-69-2
2-naphthylamine	91-59-8
4-o-tolylazo-o-toluidine	97-56-3
2-amino-4-nitrotoluol	99-55-8
4-chloroaniline	106-47-8
2,4-diaminoanisole	615-05-4
4,4'-diaminodiphenyl methane	101-77-9
3,3'-dichlorobenzidine	91-94-1
3,3'-dimethoxybenzidine	119-90-4
4,4'-bi-o-toluidine	119-93-7
4,4'-methylendi-o-toluidine	838-88-0
p-cresidine	120-71-8
2,2'-dichloro-4,4'-methylene dianilin	101-14-4
4,4'-oxy dianilin	101-80-4
4,4'-thiodianilin	139-65-1
o-toluidine	95-53-4
4-methyl-m-phenyldiamine	95-80-7
2,4,5-trimethylaniline	137-17-7
4-aminoazobenzol	60-09-3
2-methoxyaniline	90-04-0
4-amino-3-fluorphenol	399-95-1
6-amino-2-ethoxynaphthalene	

Additionally applicable documents

- ▶ N 2580-1
- ▶ VKIS-VSI-IGM Materials list

Prohibition and declaration of substances

Bosch in-house part

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1 Scope and purpose

The **N 2580** controls the process “Prohibition and declaration of substances”.

Internally at Bosch N 2580-INT is also to be observed. It must not be disclosed to outsiders.

2 Area of validity of Bosch-Norm N 2580

2.1 Products, components, materials and preparations (N 2580-1.1)

This Bosch-Norm is binding for the deliveries of products, components, materials and preparations entering in a Bosch product, and to the whole Bosch Group worldwide. It is recommended that associated companies (BEGE) adopt this or analog instructions by their own decision.

The Bosch-Norm is applied in all business sectors.

2.2 Auxiliary manufacturing materials (N 2580-1.2) packaging materials (N 2580-1)

This Bosch-Norm is binding for deliveries of listed auxiliary manufacturing materials and packaging materials to the whole Bosch Group in Germany. It is recommended that all other parts of the Bosch Group adopt this or analog instructions by their own decision.

The Bosch-Norm is applied in all business sectors.

3 Supplier confirmation and declaration

Suppliers are to be obligated to comply with **N 2580** and, if and as applicable, to submit a corresponding declaration. Reference shall be the initial sample inspection (e.g. offer drawing or EMPB form). If this is not possible, the conformity can also be achieved using the following text module in the ordering documents: “The stipulations of Bosch-Norm **N 2580** (part **1** and **1.1** or part **1** and **1.2**) are integral parts of this order. Please confirm in writing that none of the substances that are rated, in **N 2580**, prohibited is included in the scope of supplies and that the declarable substances are listed. The declaration is made with **N 2580-1** Appendix A and/or [IMDS](#).”

For Bosch internal deliveries (plant to plant) the written confirmation of the **N 2580** can be omitted. Each product division must assure conformity and declaration for its own area of responsibility.

4 Changes

4.1 Changes of substances

In the case of changing a product material and/or a manufacturing process, CDQ 0404 “Change management for products and pertaining processes” needs to be observed.

4.2 Procedure upon changes of GADSL, ELV, EU-RoHS and VKIS-VSI-IGM materials list

C/PS needs to inform the responsible Technical Materials Departments and the DfE-coordinators of the corporate divisions regarding the changes.

4.3 Process sequence “Alteration of N 2580”, New edition

Concerned suppliers are to be informed of the new version of the **N 2580** by purchasing (central division, corporate divisions, plants)!

For Bosch in-house, the process sequence “Alteration of **N 2580**” needs to be observed (see Appendix A).

5 Deviation approval

5.1 Regional deviation approval from EU-RoHS

For Bosch products, that fall within the area of validity of [EU-RoHS 2002/95/EG](#), it applies that all purchased parts must comply worldwide with EU-RoHS 2002/95/EG. Exceptions are permissible for products that are distributed only outside the European Union. The deviation approval is notified explicitly to the supplier with the order and communicated to the DfE coordinator of the Bosch Division in writing. If possible, include the annotation "Sales region restricted to ...country/region" in the master data.

5.2 Approval of deviation from general prohibition of substances

If for a specific application (e.g. military, specific customer demand or the like) due to justifiable reasons the prohibition of substances shall be suspended, it may be applied for informally at C/PS. The application provides at least the following indications:

- ▶ Bosch product (class) and application
- ▶ Sales region
- ▶ Purchase part
- ▶ Material, substance
- ▶ Expiry date of deviation approval
- ▶ Reasons

Documentation of the deviation approval is done by the applicant. Compliance with legal stipulations is mandatory and has to be done by the applicant.

6 Verification

The suppliers indications (contained and/or not contained substances) shall be verified and assured in an adequate manner (new substance, new supplier, cyclic, random sampling, or the like) in accordance with **N42AP 930** by chemical analyses performed in appropriate laboratories. This specially applies to substances limited by legal stipulations. In order to determine the appropriate parts quantity, a risk analysis may be performed.

7 Responsible Technical Materials Departments

Table 1 Technical Material Departments

Sign of department	Name of department
CR/ARU	Lubricants for products
CR/ARM	Sintered materials
CR/ARA	Operating materials and test media
CR/APP	Polymer materials and their intermediate products
CR/APM	Metallic materials
CR/APT	Coatings, anticorrosive agents, cleaning substances
CR/APJ	Materials for soldering/welding
C/PS	Laws, ordinances
C/PS	To be contacted about cooling lubricants, packaging materials

Additionally applicable documents

- ▶ N 2580-1
- ▶ N 2580-1.1 UBK
- ▶ N 2580-1.1 UBI/UBG
- ▶ N 2580-1.2
- ▶ QSL
- ▶ CDQ 0304
- ▶ CDQ 0404
- ▶ CDQ 0405
- ▶ CDQ 0515
- ▶ CDQ 0603
- ▶ CDQ 0609
- ▶ CDQ 0611

Annex A

Process sequence “Alteration of N 2580”

Table 2 Responsibility

No.	Process step	C/PS	CR	C/CTN2	CP/MAC	GB/PU	P/PUQ P/QMS	CP/PP	DfE-Ko-ordinator	GB/ENG	Werks-HSE	P/PT
1	Overall coordination	R										
2	Review N 2580 reg. legal position, GADSL- and VKIS-up-to-dateness	R	S									
3	Content adaptation of N 2580 , Bosch requirements, evaluation GADSL- and VKIS-alterations	S	R									
4	Evaluation of change requirement	S	R		S			S				
5	Editorial alteration N 2580	A		R								
6	Internal distribution of N 2580	S	I	R	I	I		I	I	I (by DfE)	I (by C/PS)	
7	Determination impacted material groups (coordinator)	S	R		I	I (by CP/MAC)			I	I (by DfE)		
8	Review and adjustment material order specifications, if required (responsible: issuing department of order specification)		R	S	I	I (by CP/MAC)						
9	Inquiring at suppliers incl. dunning management	S	S		R ¹	R ¹						
10	Documentation and archiving feedback				R ¹	R ¹						
11	► Information with non-compliance		I		R ¹	R ¹			I	I	I ²	I
12	► Measures with non-compliance											R
13	Limiting to impacted Bosch products (as far as possible)					S	S		R	S	S	
14	Determination impacted purchased parts and/or suppliers					R	S		S	S	S	
15	Alteration order specification (if required)									R		
16	Inform impacted suppliers incl. dunning management ³	S	S			R	I		S			
17	Documentation and archiving feedback						R					
18	► Information with non-compliance						R		I	I	I ²	I
19	► Measures with non-compliance											R

¹ Central-Materials: CP/MAC; GB-materials: GB-purchasing

² With auxiliary manufacturing materials

³ As an alternative to dunning management (obligation for feedback even if declaration remains unchanged) random material analyses can be performed

For process steps 13 and 14 team handling is recommended.

R = Responsible

A = Approval

S = Support

I = Information

GB/PU = Purchase of Bosch Division

P/PUQ = Responsible purchase quality assurance of plant

P/QMS

P/PT = Technical plant management