

**SCHAEFFLER**

Material Compliance, environmental protection, occupational health

**Prohibited and declarable substances**Raw materials, products, components, branded items, purchased parts, mixtures of substances, chemicals, **packaging material**, packaging**S 132030-1**

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Material Konformität, Umweltschutz, Arbeitsschutz, Verbotene und Deklarationspflichtige Stoffe, Rohmaterialien, Erzeugnisse, Bauteile, Handelsware, Zukaufteile, Stoffzubereitungen, Chemikalien, Verpackungen

Deskriptoren: Arbeitsschutz, Umweltschutz, Stoff, Inhaltsstoff, Stoffverbot, Verbotener Stoff, Stoffrestriktion, Negativliste, gefährlicher Stoff, Materialrecycling, Produktkonformität, Materialkonformität, Rohmaterial, Erzeugnis, Teil, Komponente, Handelsware, Stoffzubereitung, Chemikalie, Verpackung, Arbeitssicherheit, Deklaration, Materialdeklaration, Reinstoff, Mischung, Gemisch, Zubereitung, Hilfsstoff, Betriebsstoff, Produktionschemikalie, Konformität

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Continued on pp. 2 - 24

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In case of doubt, the German-language original should be consulted as the authoritative text.

## 1 Scope of application

This standard defines the requirements with regard to prohibited, declarable and restricted substances along the entire supply chain and for all purchased products (chemicals, mixtures, products, packaging, **packaging materials** and raw materials) which are delivered to Schaeffler and all its companies and brands worldwide. Laboratory chemicals and other products not directly related with saleable Schaeffler products or with their transport, storage, production or development (e.g. building cleaners, office supplies) are excluded from this standard.

Compliance with this standard does not release the supplier from the responsibilities given in further applicable legislation and specifications.

## 2 Vocabulary and abbreviations

**Purchased product:** All purchased products within the scope of application of this standard; **such as** chemicals, mixtures, products, packaging, **packaging materials** and raw materials.

**Substance:** Chemical element and its compounds; ingredient, substance

**Mixture:** Chemical product composed of two or more substances (e.g. lubricants, anti-corrosion agents, electroplating chemicals, cleaners).

**Product** (definition as per REACH Regulation (EC) No. 1907/2006, article 3): Object which is given a specific form, surface or shape by manufacturing which determines its function to a greater extent than its chemical composition.

**Packaging and packaging materials:** A material intended for wrapping products for the purpose of protecting the products, protecting the environment, of transport and/or storage (e.g. canisters, cardboard, cases, bottles, containers, pallets, **blister, plastic bags and film**).

**Homogeneous material** (according to RoHS directive on restrictions of the use of certain hazardous substances in electrical and electronic equipment or GADSL, guidance document 'Global Automotive Declarable Substance List'): Material that cannot be separated mechanically into individual components. Mechanical separation means physical separation by means of cutting, turning on a lathe, grinding, rubbing off; examples include polymer, metal, metal alloy, coating, lubricant, soldering agent.

## 3 Prohibited and declarable substances

Prohibited substances (chemical elements and their compounds) in terms of this standard are marked in the associated List of Substances (Appendix A of this standard) with a "P" (*Prohibited*). They must not be contained in purchased products delivered to Schaeffler in concentrations above the limit value specified, nor be formed or released in such concentrations by subsequent processing. Exceptional approval of prohibited substances can be agreed on a case-to-case basis, provided that no practicable alternative is available (e.g. methanol used for hardening).

**Exceptions must be agreed in writing. No special format is provided for this. For example, the documentation of an email or in the BAFF application is enough.**

Prohibited substances are subject to a limit value of 0,1 % (w/w) in homogeneous material, unless a different value is specified. Prohibited substances in concentrations below the specified limit value are declarable.

Substances marked in the List of substances of this standard with a "D" (*Declarable*) must be declared according to the specifications of this standard if their concentration is above the limit value. The limit value of declarable substances is 0,1 % (w/w) in homogeneous material, unless a different value is specified.

Prohibited and declarable substances are listed in the List of substances provided in Appendix A of this standard. The declaration format to be used in each individual case, and the procedure for handling the associated declaration of conformity, is described in the following sections.

Application-specific prohibition and declaration constraints (e.g. for medical products and hygiene products) shall be considered as early as the product development phase. Where a special application has been agreed for a product or a mixture, suitable materials and components shall be chosen as early as the product development phase.

**Planned** modifications of products and components, and of their materials and formulations, must be agreed at an early stage with the **corresponding Schaeffler contact** (e.g. local purchasing, substance group coordinator, application engineering or product development).

**This does not replace the change authorization for changes.**

**Note that for packaging and packaging material of all sorts, declarable (D) and prohibited (P) substances must be documented in Schaeffler format.**

**In general, no prohibited substances may be used for packaging materials and packaging.**

**Substances that must be declared must also be avoided.**

**Exceptions must be documented in writing.**

## 4 Supplier information sheet for Standard S132030-1

### **Supplier information**

The Excel template "Supplier information sheet" is provided in the first sheet of Appendix A to this standard. The supplier information can be transmitted either for individual purchased Schaeffler products or, if declaration requirements are identical (e.g. in the case of identical or comparable materials **regarding the composition**), for multiple products, series, product families or for the complete Schaeffler delivery scope.

The proof of supplier consists of sections **basic information, declaration of conformity, list of legal and official requirements, list of purchased parts and declaration in Schaeffler format.**

General queries can be addressed to the respective local purchasing department and technical queries regarding the S132030-1 standard to Material Compliance: [MaterialCompliance@schaeffler.com](mailto:MaterialCompliance@schaeffler.com)

### **List of purchased products**

If the supplier information is intended to apply for multiple products with identical declaration requirements, the relevant products must be listed, in addition to this template, in the sheet "List of purchased products" contained in the same Excel document. If the information is expected to apply for the complete delivery scope, it is sufficient to enter a note that the supplier information applies for all products delivered by the company concerned to Schaeffler as a whole or to a specific Schaeffler unit.

To simplify the completion and evaluation of the supplier information (**list of legal and official requirements and, where relevant, the list of purchased products**), **sheets** should be completed directly in the electronic Excel template. Because of the large number of its suppliers, Schaeffler must rely on an automatic evaluation therefore the signed and scanned supplier information sheet should always be returned to Schaeffler together with the duly completed Excel document.

Supplier information can only be accepted if at least the "Basic information" and "Declaration of conformity" zones in the Excel template are completed fully and correctly, and if the document is duly signed.

#### **a.) Basic information**

The basic information zone of the supplier information shall be entered with information about the supplier and a product. If the supplier information is intended to apply to more than one product, a note referring to the completed list of purchased products is sufficient or the reference to the entire scope of delivery.

#### **b.) Declaration of Conformity**

In the Declaration of Conformity, at first, the category of the purchased Schaeffler product must be selected. The applicable category must be agreed with the Schaeffler contact (e.g. local purchasing, substance group coordinator, application engineering or product development).

All lines relevant for the product (depending on usage at Schaeffler) must be filled or the answers must be selected from the pre-defined drop-down list.

#### **c.) List of purchased products**

If the supplier information is intended to apply to multiple products due to identical declaration requirements, the relevant products must be listed in addition to this template in the "List of purchased products" sheet contained in the same Excel document. If the information is expected to apply to the complete delivery scope, it is sufficient to enter a note that the supplier information applies to all products delivered by the respective company to Schaeffler or to a specific Schaeffler unit.

#### **d.) List of legal and official requirements**

For purchased products, Schaeffler also requires current information about compliance with other legal and official requirements to ensure that Schaeffler products can be sold in certain countries and regions. In this context, the "List of legal and official requirements" tab sheet can be found in Appendix A. This list should be filled out completely to the best of our knowledge. For local applications it must be ensured that at least the relevant local laws are observed. The more legal requirements are met, the greater the range of applications at Schaeffler. In the best case, the product can be used worldwide. It is possible that for various reasons not all requirements apply to the purchased product (countries, regions, application, market) or that the supplier is not aware of individual legal requirements.

#### **e.) Declaration in Schaeffler format**

This table serves for the declaration of substances contained in materials, see also section 5, declaration of substances.

## 5 Declaration of substances

Declarable or prohibited substances contained in the relevant purchased products must be declared. The minimum information to be entered is the name of the substance, its CAS number and the concentration in the homogeneous material (unless otherwise required). Regardless of the declaration format, declarations shall be submitted at the time stated in Schaeffler standard S 296001-2 "Quality Assurance Agreement with Production Material Suppliers". The REACH Regulation (EC) No. 1907/2006 includes a duty to provide information about substances of very high concern which are listed in the so-called SVHC candidate list. Schaeffler suppliers are obliged to inform immediately **by means of an updated supplier information and, if necessary, an updated IMDS entry** as soon as they have more current information than that already reported to Schaeffler about substances of the SVHC candidate list which are contained in concentrations above 0,1% w/w in materials supplied by them. If no information about substances in the supplied materials is submitted within 45 days after an update of the SVHC candidate list, it will be assumed that none of the relevant substances are contained in a concentration of more than 0,1% w/w.

**When the obligation to declare SVHCs in the SCIP database under the Waste Framework Directive (Directive 2008/98/EC) comes into force, this information must be provided in an appropriate manner.**

### IMDS – International Material Data System of the automotive industry

An entry in the IMDS - the International Material Data System (link: [www.mdsystem.com](http://www.mdsystem.com)) - is mandatory for the declaration of substances contained in products and their materials purchased by Schaeffler for use in the automotive industry, as well as for polymer products. The IMDS ID number stated in the supplier information for the product concerned must be entered under basic information. If the supplier information is intended to apply for more than one product, a note referring to the associated list of purchased products is sufficient. In this case, the IMDS ID numbers are entered in the appropriate column of that list.

The IMDS data must be compliant with the IMDS rules applicable at the moment of its creation. Moreover, the Schaeffler requirements for IMDS entries stated in Appendix B of this standard, the "IMDS Guideline", must be respected.

A declaration in the form of a data sheet in the IMDS does not constitute an exceptional approval of otherwise prohibited substances. If a substance to be declared cannot yet be selected in the IMDS menu, the "Basic Substance Request" function in the IMDS in menu can be used to request that this substance be added to the database.

### BOMcheck

A declaration in the BOMcheck online system as RCD ("Regulatory Compliance Declaration") is mandatory for the declaration of substances contained in products and their materials purchased by Schaeffler which are to be transferred neither in the IMDS nor in Schaeffler format.

### Declaration in the Schaeffler format

The declaration in the Schaeffler format must be completed where declarable or prohibited substances in purchased Schaeffler products must be declared, and neither the IMDS (International Material Data System; link see below) nor BOMcheck (online material data system; link see below) can be used for.

### Other Formats

On request, a declaration **in other formats such as CAMDS** (= Chinese Automotive Material Data System) may also be required.

Table 1 – Declaration format for different products / applications

<p><b>A: Schaeffler products</b> = Purchased products that remain in or on saleable Schaeffler products.  <b>B: Production Chemicals</b> = Purchased products that are used in manufacturing processes &amp; maintenance but do <b>not</b> remain in saleable Schaeffler products.  <b>C: Packaging material</b> = All packaging materials and packagings.</p> <p>If necessary, the applicable category must be agreed with the Schaeffler contact in charge (e.g. local purchasing, substance group coordinator, application engineering or product development)!</p>			
Category	Examples	Product / Application at Schaeffler	Declaration format
<b>A</b>	<u>Raw materials:</u> e.g. strips, sheets, tubes, bars, wires, plastic granules  <u>Chemicals/mixtures which remain on the component:</u> e.g. lubricants, anti-corrosion agents  <u>Products:</u> e.g. components, coated components, seals, cages, rolling elements, rolling bearings, plain bearings, friction material	For the automotive industry	IMDS or CAMDS declaration (on request)
		For other applications than the automotive industry	Schaeffler format (BOM check when applicable)
<b>B</b>	<u>Products:</u> e.g. tools, machine components  <u>Chemicals/mixtures:</u> e.g. lubricants, electroplating chemicals, anti-corrosion agents	All products of this category	<b>Schaeffler format</b>
<b>C</b>	<u>Packaging and packaging material:</u> e.g. cardboard, drying agents, pallets, wooden cases, plastic packagings (blister, film, bags), canisters, drums	All products of this category	<b>Schaeffler format</b>

#### Customer- or industry-specific format

If Schaeffler must forward such information to a customer in a format different from those stated above, the supplier shall - in special cases and subject to agreement - provide such declarations in the customer- or industry-specific format required.

#### Other applicable standards, standards cited and documents

GADSL	Global Automotive Declarable Substance List; Link: <a href="http://gadsl.org/">http://gadsl.org/</a>
IMDS	International Material Data System; Link: <a href="http://www.mdsystem.com">www.mdsystem.com</a>
BOMcheck	Online material data system; Link: <a href="http://www.bomcheck.net">www.bomcheck.net</a>
RoHS Directive 2015/863/EU	Directive on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment; Link: <a href="http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CELEX:32011L0065:DE:NOT">http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CELEX:32011L0065:DE:NOT</a>
ELV Directive 2000/53/EC	Directive on End-of-Life Vehicles; Link: <a href="http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CELEX:32000L0053:DE:NOT">http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CELEX:32000L0053:DE:NOT</a>
REACH Regulation (EC) No. 1907/2006	Regulation concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; Link: <a href="http://echa.europa.eu/legislation/reach_legislation_en.asp">http://echa.europa.eu/legislation/reach_legislation_en.asp</a>
CLP Regulation (EC) No. 1272/2008	Regulation on the classification, labeling and packaging of substances and mixtures; Link: <a href="http://echa.europa.eu/legislation/classification_legislation_en.asp">http://echa.europa.eu/legislation/classification_legislation_en.asp</a>
VKIS-VSI-IGM	VKIS-VSI-IGM Substances list; Link: <a href="http://www.vsi-schmierstoffe.de">www.vsi-schmierstoffe.de</a>

#### Other relevant standards and documents

S 296001	Quality Assurance Agreement with Production Material Suppliers
S 296001-2	Quality Assurance Agreement with Production Material Suppliers; Production Process and Product Release Procedure
S 296002	Quality Assurance Agreement with Tooling Suppliers
S 296003	Quality Assurance Agreement with Packaging Material Suppliers Link: <a href="https://www.schaeffler.de/content.schaeffler.de/en/schaeffler-germany/supplier/quality-requirements/index.jsp">https://www.schaeffler.de/content.schaeffler.de/en/schaeffler-germany/supplier/quality-requirements/index.jsp</a>

#### Appendix A (normative)

Supplier information: Must be completed directly in Excel format. - Link: [Supplier information](#)

#### Appendix B (normative)

IMDS Guideline - Link: [IMDS Guideline](#)

#### Translated by:

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Supplier Information Sheet for Standard S 132030-1

SCHAEFFLER

Basic Information

Information about product

Information about supplier

Information for a single product (complete as far as possible).

If this conformity delaration is valid for a few products, please fill the complete Information in table "List of purchased products" (see enclosure 4). Fill in here: "table"

Supplier

Name of the product

Material number

Schaeffler

Name of the product

Material number (13 digits)

IMDS-ID-No. (if existing)

Supplier/Company:

Schaeffler-Supplier-number

Contact person:

Conformity declaration drawn by

Signature:

Name:

email:

Phone-No.

Name:

Date:

(Stamp where applicable)

Schaeffler Status

(assessed by Schaeffler)

Status (in assessment/released/not released)

Name

Date

Conformity declaration

Material Compliance Information for purchased Schaeffler products which

☐ **Categorie A:** · remain in or on saleable Schaeffler products

☐ **Categorie B:** · are used in manufacturing processes and maintenance, but do not remain in saleable Schaeffler products

☐ **Categorie C** · are used for packaging for covering, transporting, storing and/or preserving of Schaeffler products.

No.

Material Compliance (MC) Requirements

Is the requirement valid for the purchased product?  
yes/no

Is the purchased product compliant?  
yes/no

Declaration:  
IMDS, BOM-Check, Schaeffler-Format or no declarable substances

1

Schaeffler generally prohibited substances

2

Schaeffler restricted substances

3

REACH Regulation (EG) Nr. 1907/2006

- incl. SVHC, Annex XVII prohibition and restriction of substances according to Annex XIV and duty of registration of substances

4

Schaeffler GADSL requirements

(Global Automotive Declarable Substance List)

- is a reference list even for products not intended for use in the automotive industry

5

ELV Directive 2000/53/EG on End-of-Life Vehicles

- for purchased products for the automotive sector

6

RoHS Directive 2011/65/EU

- for purchased NON-Automotive products

7

Further specifications for chemicals and mixtures

- for use in manufacturing, maintenance and in Schaeffler products

- does not apply to semi-finished products & products in general

8

Further specifications for packaging

- except for packaging returned to supplier

9

Are legal requirements of countries observed?

- see enclosed "List lof egal requirements" - please fill in accordingly

Declaration in Schaeffler Format - alternative to IMDS and BOMcheck - Please complete directly in the Excel sheet!

Declarable substances

CAS number

Substance concentration

Unit acc. to list of substances

Remarks\*1

- according to actual list of substances (S 132030-1)

other Identification number, only when CAS number isn't existing

Example:

Lead (Blei)

7439-92-1

e.g. 2,0

% (w/w)

e.g. brass cage

\*1 = example for prohibited substances: Reason; affected material is present in the product; RoHS or ELV exception; for chemicals and mixtures; analytical method;

This is applicable if no alternative like IMDS, BOM declaration exists

Please fill in the requested information directly in the Excel sheet and not in a printed/ pdf version

→ **STEP 1:**  
**Fill in basic information**  
If the supplier doesn't have a Schaeffler-Supplier-number please fill in "**none**".  
For details like Schaeffler product name and material number adress to your contact person at Schaeffler

→ **STEP 2:**  
  
Choose one of the categories applicable for your delivery

For more details and support adress to your contact person at Schaeffler (e.g. local purchasing, substance group coordinator or application technology)  
  
→ **STEP 3:**  
  
Answer to the compliance questions considering the requirements applicable  
  
White boxes are compulsorry while grey boxes do not need to be considered  
Use dropdown function for filling

→ **STEP 4:**  
**Declare any substance presence considering the applicable requirements**

\*1 = example for prohibited substances: Reason; affected material is present in the product; RoHS or ELV exception; for chemicals and mixtures; analytical method; This is applicable if no alternative like IMDS, BOM declaration exists



Issue	List of legal requirements (applicable to the listed regulations are their sub laws and amending regulations, valid at the date of confirmation; confirmations are valid for lead regulation (mother law) their sub laws and amendments)	Country	Applicable (see dropdown menu)	Compliant (see dropdown menu)	I don't know	Comment
ROHS	Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (recast) - [EU ROHS]	EU	0	0		
	Act for Resource Recycling of Electrical and Electronic Equipment and Vehicles; Act No. 6319 - Resource Recycling - [Koreea ROHS]	KR				
	MIIT Order 32 Administrative Measures for the Restriction of the Use of Hazardous Substances in Electrical and Electronic Product togthter with GB/T 26572 - [China ROHS]	CN				
	e-waste (Management and Handling) Rules 2011 (India RoHS)	IN				
	Electrical and electronic equipment that may contain hazardous substances: restriction of the use of certain hazardous substances; TIS 2368-2551; 26.05.2008 - [Thailand ROHS]	TH				
	CNS15663: Guidance for the reduction of restricted chemical substances in electrical and electronic equipment -[Taiwan ROHS]	TW				
	Circular 30/2011/TT-BCT Temporary Regulation on permission limits of some hazardous chemicals in electrical and electronic products - [Vietnam ROHS]	VN				
	Atık Elektrikli ve Elektronik Eşyaların (AEEE) Kontrolü Yönetmeliği [Turkish WEEE and RoHS]; 22.05.2012.	TR				
	Environmental Protection and Management Act (Amendment of Second Schedule) Order 2016 - [Singapore ROHS]	SG				
	Emirates control scheme to restrict the use of hazardous materials in electronic and electrical devices. Decision No. 10/2017 - [United Arab Emirates ROHS]	UAE				
	Law for Promotion of Effective Utilization of Resources in Japan (Japanese Recycling Law) of 2001 and the mandatory industry standard JIS C 0950 of 2008 - [Japan ROHS]	JP				
	Technical Regulation "On Restriction of Hazardous Substances in Electrical and Radioelectronic Products" (TR 037/2016) - [Eurasian Economic Union ROHS]	EAEU				
ELV	Act No. 8405 of 2007-04-27 (Korean RoHS/ELV)	KR				
	DIRECTIVE 2000/53/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 September 2000 on end-of life vehicles	EU	0	0		
	Public Standard GB/T 30512-2014 “Requirements for Prohibited Substances on Automobiles”	CN				
	GB 22128-2008 (Chinese ELV)	CN				
	Automotive Industry Standard 129 (AIS-129), published on 1 March 2015 by the Automotive Research Association of India (ARAI)	IN				
REACH	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)	EU	0	0		
	Kemikaaliseadus; Chemicals Act; 01.12.2015	EE				
	The Measures for Environmental Administration of New Chemical Substances (China MEP Order 7) (China REACH) Issued in Jan 2010 , Came into force on 15 Oct 2010	CN				
	KKDIK Regulation ("Turkey REACH"), 23 December 2017	TR				
	Act on the Registration and Evaluation of Chemicals; Act No. 11789; Korea REACH; 22.05.2013.	KR				
	Toxic and Chemical Substances of Concern Control Act (TSCCA)	TW				
Conflict Minerals	Dodd Frank Act Section 1502	US				
	REGULATION (EU) 2017/821 laying down supply chain due diligence obligations for Union importers of tin, tantalum and tungsten, their ores, and gold originating from conflict-affected and high-risk area	EU				
Biocides	Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products	EU				
	Consumer Chemical products and Biocides Safety Act (K-BPR)	KR				
Batteries/ Accumulators	Directive 2006/66/EC of the European Parliament and of the Council of 6 September 2006 on batteries and accumulators and waste batteries and accumulators	EU				
	Chinese Standard GB 24427-2009 "Limitation of mercury, cadmium and lead contents for alkaline and non-alkaline zinc manganese dioxide batteries"	CN				
	Chinese Standard GB24428-2009 "Limitation of mercury for zinc silver oxide, zinc oxygen and zinc manganese dioxide button batteries", cadmium and lead contents for alkaline and non-alkaline zinc manganese dioxide batteries"-requirements	CN				
Hazardous Substances	Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals	EU				
	Regulation (EU) 2017/852 of the European Parliament and of the Council of 17 May 2017 on mercury	EU				
	Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants (POP regulation)	EU				
	Regulations relating to restrictions on the manufacture, import, export, sale and use of chemicals and other products hazardous to health and the environment (Product Regulation).	NO				
	Health and Safety Code - HSC Safe Drinking Water and Toxic Enforcement Act of 1986 Division 20. Misc. Health and Safety Provisions [2400-26204]California Proposition 65	US				
	California Safer Consumer Product regulations					
	DIVISION 4.5, TITLE 22, CALIFORNIA CODE OF REGULATIONS CHAPTER 55. SAFER CONSUMER PRODUCTS (mandetted to AB-1879), effective October 1, 2013	US				
	Canada gazette Vol. 143, No. 252	CA				

CE Marking	Directive 2006/42/EC of the European Parliament and of the Council of 17 May 2006 on machinery	EU				
	The Administrative Measures for the Restriction of the Use of Hazardous Substances in Electrical and Electronic Products (China RoHS 2). SJ/T 11363-2006	CN				
Chemicals	Gesetz zum Schutz vor gefährlichen Stoffen (Chemikaliengesetz; Chem G)	DE				
	Verordnung über Verbot und Beschränkungen des Inverkehrbringens und über die Abgabe bestimmter Stoffe, Gemische und Erzeugnisse nach dem Chemikaliengesetz (Chemikalienverbotsverordnung; Chem Verbots V)	DE				
	Verordnung zur Sanktionsbewehrung gemeinschafts- oder unionsrechtlicher Verordnungen auf dem Gebiet der Chemikaliensicherheit (ChemSanktionsV)	DE				
	813.1; Bundesgesetz über den Schutz vor gefährlichen Stoffen und Zubereitungen	CH				
	814.81; Verordnung zur Reduktion von Risiken beim Umgang mit bestimmten besonders gefährlichen Stoffen, Zubereitungen und Gegenständen; Chemikalien-Risikoreduktions-Verordnung	CH				
	Bundesgesetz über den Schutz des Menschen und der Umwelt vor Chemikalien (Chemikaliengesetz 1996 - ChemG 1996). BGBl. I Nr. 53/1997; 15. Mai 1997	AT				
	Chemikalien-Verbotsverordnung 2003 - ChemVerbotsV 2003; Verordnung des Bundesministers für Land- und Forstwirtschaft, Umwelt und Wasserwirtschaft über weitere Verbote und Beschränkungen bestimmter gefährlicher Stoffe, Zubereitungen und Fertigwaren; BGBl. II Nr. 477/2003; 14.10.2003	AT				
	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures	EU				
	Hazardous Substances Law 5753 of 1993	IL				
	Regulation 2009 No. 716 "Health and Safety - The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009"	UK				
	Chemical Substance Control Law (CSCL); 16.04.1974.	JP				
	Industrial Safety and Health Act (ISHA); 01.10.1972.	JP				
	Poisonous and Deleterious Substances Control Act (PDSCA); 01.05.1954	JP				
	Hazardous Substance Control Act (HSCA); Hazardous Substance Act B.E. 2535 (07.04.1992, first version)	TH				
	Decree No. 108/2008/ND-CP; Detailing and Guiding the Implementation of a number of articles of the chemical law; 07.10.2008.	AP				
	Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (Republic Act No. 6969); 26.10.1990	AP				
	Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof (PRTR); 13.07.1999	AP				
	Hazardous Chemicals Control Ordinance (Chap. 595; L.N. 7 of 2008); 01.04.2008	HK				
	Regulation (EU) No 517/2014 of the European Parliament and of the Council of 16 April 2014 on fluorinated greenhouse gases	EU				
	Prohibition of Certain Toxic Substances Regulations, 2005 (SOR/SOR/2005-41. Published in Canada Gazette Part II, 2006-11-29 Vol.140, No.24, 25) SFS 1985:840	CA				
	Prohibition of Certain Toxic Substances Regulations, 2005 (SOR/SOR/2005-41. Published in Canada Gazette Part II, 2006-11-29 Vol. 140, No. 24	CA				
Energy-using products	Directive 2005/32/EC of the European Parliament and of the Council of 6 July 2005 establishing a framework for the setting of ecodesign requirements for energy-using products	EU				
Food	Commission Regulation (EC) No 466/2001 of 8 March 2001 setting maximum levels for certain contaminants in foodstuffs	EU				
	Commission Directive 2002/72/EC of 6 August 2002 relating to plastic materials and articles intended to come into contact with foodstuffs	EU				
	Commission Regulation (EU) No 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food	EU				

Medical Devices	COMMISSION REGULATION (EU) No 722/2012 on particular requirements as regards the requirements laid down in Council Directives 90/385/EEC and 93/42/EEC with respect to active implantable medical devices and medical devices manufactured utilising tissues of animal origin	EU					
	Council Directive 90/385/EEC of 20 June 1990 on the approximation of the laws of the Member States relating to active implantable medical devices	EU					
	Council Directive 93/42/EEC of 14 June 1993 concerning medical devices	EU					
Ozone Depleting substances	Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer	EU					
	Act on the Protection of the Ozone Layer Through the Control of Specified Substances and Other Measures; 01.01.1989.	AP					
	Clean Air Act (US)	US					
Packaging	European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste	EU					
	Model Toxics in Packaging Legislation	US					
	California State Health and Safety Code 25214.11	US					
Recycling	Act on the Promotion of Saving and Recycling of Resources; Act No. 6653; 04.02.2002.	KR					
Ships	Regulation (EU) No 1257/2013 of the European Parliament and of the Council of 20 November 2013 on ship recycling	EU					
	REGULATION (EC) No 782/2003 on the prohibition of organotin compounds on ships	EU					
Type approval	Directive 2007/46/EC of the European Parliament and of the Council of 5 September 2007 establishing a framework for the approval of motor vehicles and their trailers, and of systems, components and separate technical units intended for such vehicles	EU					
	Directive 2005/64/EC of the European Parliament and of the Council of 26 October 2005 on the type-approval of motor vehicles with regard to their reusability, recyclability and recoverability	EU					
	Council Directive 70/156/EEC of 6 February 1970 on the approximation of the laws of the Member States relating to the type-approval of motor vehicles and their trailers	EU					
	Directive 2002/24/EC of the European Parliament and of the Council of 18 March 2002 relating to the type-approval of two or three-wheel motor vehicles	EU					
	China ELV (order No. 38)	CN					

## List of Purchased Products

(Supplement to the Declaration of Conformity)

**SCHAEFFLER**

[illegible]

<div> <div>List of Substances</div> <div>- Status of 13 Jan. 2020 -</div> <div>SCHAEFFLER</div> </div>						
Seq. no.	Relevant substances	CAS number	Classification	Limit value	Remarks / legal background	Application example
<b>1</b>	<b>Schaeffler generally prohibited substances</b> - applies to all products, chemicals, mixtures and also to packaging material -					
	Substances of the following hazard classes: - Carcinogenicity, Carc. 1A, Carc. 1B (H350 et seqq.) - Germ cell mutagenicity, Mutag. 1A, Mutag. 1B (H241) - Reprod. toxicity, Repr. 1A, Repr. 1B (H360 et seqq.)	-	P	b)	CLP Regulation (EC) No. 1272/2008 - see remark in footnote b) -	
	Substances with acute toxicity, Acute Tox. 1, 2, 3 (was: highly toxic or toxic substances)	-	P	b)	CLP Regulation (EC) No. 1272/2008 - see remark in footnote b) -	-
	Flammable substances with H-statements H220, H222, H224 (was: highly combustible substances)	-	P	b)	CLP Regulation (EC) No. 1272/2008 - see remark in footnote b) -	-
	Explosive substances with H-statements H200, H201, H202, H203, H204, H240, H241 (was: explosive)	-	P	b)	CLP Regulation (EC) No. 1272/2008 - see remark in footnote b) -	-
	Radioactive substances, all compounds including impurities in metals	-	P	a)	Radiological Protection Ordinance (StrSchV), Atomic Energy Act	e.g. impurities in steel
	Substances hazardous to the ozone layer	-	P	a)	EU Regulation (EC) No. 1005/2009 on substances depleting the ozone layer, Clean Air Act Classes I & II	-
<b>2</b>	<b>Schaeffler restricted substances</b> - applies to all products, chemicals, mixtures and also to packaging material -					
	Substances of the following hazard classes: - Carcinogenicity, Carc. 2 (H351) - Germ cell mutagenicity, Mutag. 2 (H241) - Reprod. toxicity, Repr. 2 (H361 et seq.)	-	D	b)	CLP Regulation (EC) No. 1272/2008 - see remark in footnote b) -	-
	Substances causing respiratory /skin sensitization	-	D	b)	CLP Regulation (EC) No. 1272/2008 - see remark in footnote b) -	e.g. metal alloys (nickel), paints, glues
	Conflict minerals (tantalum, tin, tungsten, gold, cobalt and derivatives) from the Democratic Republic of the Congo and adjacent countries	-	D	a)	United States H.R. 4173 - "Conflict Minerals" resp. "Dodd-Frank Act": Section 1502 of H.R. 4173 4173	e.g. steel
	Alkyl phenols and alkyl phenol ethoxylates	-	D	a)	-	e.g. plastics, cleaners
	Azo dyes with aromatic amines	-	P	a)		e.g. plastics, coatings, resins, paints, varnishes, dyes
	Halogenated hydrocarbons (incl. substances of the POP Regulation (EC) 2019/1021	-	D	a)	Regulation on persistent organic pollutants (EC) 2019/1021	e.g. flame retardants, solvents, lubricants, plastics
	Nitrosamines or substances forming nitrosamines by reaction	-	D	a)	-	e.g. anti-corrosion agents, cooling lubricants (secondary amines)

	Organically bound silicon	-	D	c)	for Poly dimethylsiloxane and organic bonded siloxane the VKIS-VSI-IGM-BGHM substance list has to be applied	e.g. anti-corrosion agents, lubricants, coolants
	Biocides	-	D	c)	ChemVerbotsV, Regulation (EU) No. 528/2012 and for metalworking fluids the VKIS-VSI-IGM-BGHM substance list has to be applied	e.g. anti-corrosion agents, coolants, paints, varnishes, wooden packaging
	Tricresyl phosphate and isomers (TCP)	78-30-8; 1330-78-5	D	a)	-	e.g. plasticizers and flame retardants in plastics; lubricants
	4,4 Isopropylidene diphenol (bisphenol A)	80-05-7	D	a)	-	e.g. plastics, resins, paints, varnishes, glues
	Polyvinylchloride (PVC)	9002-86-2	D	a)	-	e.g. cable insulations, packaging material
	<b>Brominated flame retardants, all compounds</b>					
	Polybrominated biphenyls (PBB)	Substance group	P	a)	-	e.g. plastics
	Polybrominated diphenyl ether (PBDE) with deca-, penta- and octabromodiphenyl ether	Substance group	P	a)	-	e.g. plastics
	Tetrabromobisphenol A (TBBPA)	79-94-7	D	a)	-	e.g. flame retardants in plastics and electrical / electronic components
	Other bromated flame retardants	-	D	a)	-	-
	Perfluorooctanacid (PFOA) and salts	e. g. 335-67-1	D	25 ppb	Regulation (EU) 2019/1021	e.g. plastics, lubricants, paints, coatings
	<b>Polycyclic aromatic hydrocarbons (PAH)</b>					
	Benzo(a)pyrene (BaP)	50-32-8	P	a)	PAHs as defined in the "Priority Pollutants" list of the EPA; Mixtures - BaP max. 50 ppm (EPA Method 610)	e.g. plastics, lubricants, paints, coatings
	Total of all EPA PAHs	Substance group	D	a)	- Sum PAHs 3% DMSO extract for the base oil (Method IP 346) Polymers, paints, coatings: - BaP max. 20 ppm (Method ZEK01.2-08)	e.g. plastics, lubricants, paints, coatings
	<b>Phthalates, all compounds</b>					
	Di-(2-ethylhexyl) phthalate (DEHP), dioctyl phthalate (DOP)	117-81-7	P	a)	Regulation (EC) No. 1907/2006 (with all relevant annexes and amendments)	e.g. plasticizers in plastics
	Di-n-octyl phthalate (DNOP)	117-84-0	P	a)	Regulation (EC) No. 1907/2006 (with all relevant annexes and amendments)	e.g. plasticizers in plastics
	Dibutyl phthalate (DBP)	84-74-2	P	a)	Regulation (EC) No. 1907/2006 (with all relevant annexes and amendments)	e.g. plasticizers in plastics



	Butylbenzyl phthalate (BBP)	85-68-7	P	a)	Regulation (EC) No. 1907/2006 (with all relevant annexes and amendments)	e.g. plasticizers in plastics
	Diisononyl phthalate (DINP)	28553-12-0	P	a)	Regulation (EC) No. 1907/2006 (with all relevant annexes and amendments)	e.g. plasticizers in plastics
	Diisodecyl phthalate (DIDP)	26761-40-0	P	a)	Regulation (EC) No. 1907/2006 (with all relevant annexes and amendments)	e.g. plasticizers in plastics
	Bis(2-ethylhexyl) isophthalate (DOIP)	137-89-3	P	a)	-	e.g. plasticizers in plastics
	Bis(2-methoxyethyl) phthalate	117-82-8	P	a)	-	e.g. plasticizers in plastics
	Diphenyl phthalate	84-62-8	P	a)	-	e.g. plasticizers in plastics
	Dipentyl phthalate	131-18-0	P	a)	-	e.g. plasticizers in plastics
	Diisopentyl phthalate	605-50-5	P	a)	-	e.g. plasticizers in plastics
	Bis(3,5,5-trimethylhexyl) phthalate	14103-61-8	P	a)	-	e.g. plasticizers in plastics
	Diisobutyl phthalate (DIBP)	84-69-5	P	a)	-	e.g. plasticizers in plastics
	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	P	a)	Regulation (EC) No. 1907/2006 (with all relevant annexes and amendments)	e.g. plasticizers in plastics
	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	P	a)	Regulation (EC) No. 1907/2006 (with all relevant annexes and amendments)	e.g. plasticizers in plastics
	Other phthalates		D	a)	-	e.g. plasticizers in plastics
	<b>Organic tin compounds, all compounds</b>					
	Triorganic tin compounds		P	a)	Regulation (EC) No. 1907/2006 (Annex XVII), Decision (EC) 1907/2006	e.g. plastics, resins, paints, varnishes, dyes
	Other organic tin compounds		D	a)	-	e.g. plastics, resins, paints, varnishes, dyes
<b>3</b>	<b>REACH Regulation (EC) No. 1907/2006</b> - applies to all products, chemicals, mixtures and also to packaging material - Links see last column					
	<b>Substances of the SVHC Candidate List according to REACH</b>		D	0,1% (w/w) per product	Up-to-date version of the candidate list applicable at the moment of declaration <a href="http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp">http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp</a>	
	<b>Substances requiring authorization listed in Annex XIV</b>		P	a)	The substances requiring authorization listed in Annex XIV are prohibited in Schaeffler products, unless their use has been explicitly authorized for the application. <a href="http://echa.europa.eu/chem_data/authorisation_process/annex_xiv_rec_en.asp">http://echa.europa.eu/chem_data/authorisation_process/annex_xiv_rec_en.asp</a>	
	<b>Bans on use as per REACH Annex XVII</b>		P	a)	In the most current version valid at the time of issuing the declaration <a href="http://echa.europa.eu/legislation/reach_legislation_en.asp">http://echa.europa.eu/legislation/reach_legislation_en.asp</a>	
<b>4</b>	<b>GADSL - Global Automotive Declarable Substance List</b> - applies to all purchased products to be used in saleable Schaeffler products, even for products not intended for use in the automotive sector - In the most current version valid at the time of issuing the declaration					

<b>5</b>	<b>ELV Directive 2000/53/EC on End-of-Life Vehicles</b> - applies only to purchased products to be used in saleable Schaeffler products in the automotive sector - In the most current version valid at the time of issuing the declaration					
<b>6</b>	<b>RoHS Directive 2011/65/EU (was 2002/95/EC) on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment</b> - applies only to purchased products to be used in saleable Schaeffler products but not in the automotive sector - In the most current version valid at the time of issuing the declaration					
<b>7</b>	<b>Further specifications for chemicals and mixtures for use in manufacturing, maintenance and in Schaeffler products</b> - does not apply to semi-finished products & products in general -					
	<b>VKIS-VSI-IGM List of materials</b> - Analogously applicable for all chemicals and mixtures	-	-	c)	<a href="http://www.vsi-schmierstoffe.de">www.vsi-schmierstoffe.de</a>	e.g. anti-corrosion agents, lubricants, electroplating chemicals
	<b>Copper and its compounds</b>	-	P	10 ppm	Prohibition only for metalworking fluids; in addition, the VKIS-VSI-IGM substance list applies <a href="http://www.vsi-schmierstoffe.de">www.vsi-schmierstoffe.de</a>	
	<b>Benzotriazole</b>	95-14-7	D	a)	allergenic potential	e.g. cooling lubricants, anti-corrosion agents
	<b>Metals and metal compounds (Cu, As, Pb, Hg, Cd, Cr(VI), Ni, Sn, Be, Co, Ti, Sb, Mo, Zn)</b>	-	D	each 10 ppm	-	-
	<b>Perfluoro compounds</b>	-	D	a)	-	-
	<b>PFOA Perfluorooctanoic acid, its salts and derivatives</b>	335-67-1 and further	P	25 ppb for substances; 1000 ppb for precursor compounds	Regulation (EC) No. 1907/2006 (with all relevant annexes and amendments)	
	<b>PFOS perfluorooctane sulfonic acid and its derivatives</b>	1763-23-1 and further	P	10 ppm in substances; 0,1 % w/w for articles	POP Regulation, Regulation (EU) 2019/1021 (European Law) of 21.6.2019	Exemption: Spray mist suppression for hard chromium plating in closed circuit
	<b>Polyalkylen glycols</b>	-	D	a)	-	-
	<b>Chlorides</b>	-	D	20 ppm	-	-
<b>8</b>	<b>Further specifications for packaging</b> - applies to all packaging material used in production and for saleable Schaeffler products, except for packaging returned to the supplier -					
	<b>Lead, cadmium, mercury, chromium(VI) in packaging</b>		P	Sum of all 4 elements max. 100 ppm	Packaging and Packaging Waste Directive 94/62/EC	e.g. plastic packaging, painted and varnished packaging
	<b>Arsenic compounds</b>		P	a)	Regulation (EC) No. 1907/2006 (with all relevant annexes and amendments)	e.g. wooden packaging material

Footnotes:

a) Limit value 0,1 % w/w (1000 ppm) in the homogeneous material, unless otherwise specified. Where the legal provision stipulates a more stringent value, that value applies!

b) Remark: These specifications of CLP Regulation (EC) No. 1272/2008 are relevant for substances with the above classification and for mixtures containing these substances. They are not relevant for products containing such a substance. b) Allowed limit according to the labeling obligations pursuant the EU chemicals legislation; CLP Regulation (EC) No. 1272/2008 Annex VI (Annex I of Directive 67/548/EEC)

c) Specification of VKIS-VSI-BGHM list

de	en
Lieferantennachweis zu	Supplier declaration for
Bitte alle Felder direkt in diesem Excel Formular befüllen.	Please fill out all fields directly in this excel form
Stoffliste mit Einzelstoffbeschränkungen siehe Registerblatt "Stoffliste"	Substance list with individual substance restrictions see register sheet "Substance list"
Erklärung und Hilfestellung siehe Registerblatt "Hilfestellung"	Explanation and Help see register sheet "Help"
Basisinformation	Basic Information
Pflichtfelder	mandatory fields
Nummer	number
Lieferantenname	Supplier name
Produkt	product
Produkte	products
Lieferant	Supplier
Lieferanten	suppliers
Materialnummer	Material number
Produktbezeichnung	product name
Bezeichnung	designation
Liste der Zukaufprodukte	list of purchased products
Zeichnungsnummer	drawing number
Materialnummer	material number
Steller	digit
falls	if
vorhanden	available
Soll dieses Formular für mehrere Produkte ausgefüllt werden, steht ein weiteres Excel-Tabellenblatt zur Verfügung	A second Excel sheet is provided for completing this form for a number of products
Eine eindeutige Identifikation des Zukaufs muss hier erfolgen, selbst wenn nicht alle Felder befüllbar sind.	Even if not all cells are possible to be completed, there has to be a clear identification of the purchase.
Ansprechpartner	contact
Kontakt (Email, Telefon):	Contact data (Email, phone number):
Datum	date
Konformitätserklärung	Declaration of conformity
Unterschrift, ggf. Stempel:	Signature, stamp (where available)
Kategorie	category
Zukauf	purchase
verbleibt in oder an Schaeffler Verkaufsprodukten	stays in or on Schaeffler saleable products
wird in Fertigungsprozessen & der Instandhaltung eingesetzt, aber nicht in Schaeffler Verkaufsprodukten verbleibend	is used in manufacturing & maintenance, but not in Schaeffler saleable products
mit welchem Schaeffler Produkte umhüllt, weiterverwendet, transportiert, gelagert und/oder geschützt werden.	Schaeffler products are wrapped, processed further, transported, stored and/or protected
Packmittel	packaging material
Anforderungen	requirements
für	for
Nr.	no.
Ist die Anforderung für den Zukauf anzuwenden	Does the requirement apply to the purchase
Entspricht der Zukauf der Anforderung	Does the purchase comply with the requirement
Die geltende Kategorie ist mit dem entsprechenden Berichtsformat für Informations- und	The applicable category has to be agreed upon with the reporting format for information and declaration obligations
Auswahl	selection
Auswahl Kategorie	Select category
benutzen	use
ja	yes
nein	no

Grundsatzverbote	Principle prohibitions
gilt auch für	also valid for
Stoffbeschränkungen	Substance restrictions
inkl.	incl.
Anh.	Annex
REACH VO (EG)	REACH Reg. (EC)
Anforderung	requirement
Anforderungen	requirements
Anforderungen der GADSL	requirements of the GADSL
beinhaltet unter anderem Berichterstattung von SVHC, Anhang XVII Verbote und Zulassungspflichten nach Anhang XIV, sowie Pflichten zur Registrierung von Stoffen	includes the reporting obligation for SVHC, prohibitions according to Annex XVII, prohibitions and the obligation for authorization according to Annex XIV, as well as the registration requirements for substances
Zukaufprodukte	purchased goods
gilt als Referenzliste auch wenn Produkte nicht für die Automobilindustrie bestimmt sind	is treated as reference even if products are not intended for the Automotive industry
Weitere Vorgaben	Further requirements
für Chemikalien und Gemische	for chemicals and mixtures
für den Einsatz in Fertigung, Instandhaltung und in Schaeffler Produkten	for the use in manufacturing processes, maintenance and in saleable Schaeffler products
gilt nicht für Halbzeuge & Erzeugnisse an sich	not applicable for semi-finished products and articles
Keine Stoffe zu deklarieren	no declarable substances
unten	below
Deklaration	declaration
sofern das Packmittel nicht an den Lieferanten zurück geht	only if the packing material is not returned to the supplier
Zu deklarierende Inhaltsstoffe	Declarable substances
gemäß Registerblatt Stoffliste	according to register sheet substance list
Stand 29.11.2018	with the status of November 29, 2018
z.B.	e.g.
andere Identifikationsnummer nur wenn keine CAS vorhanden	different identification number only if CAS not available
Stoffmenge	Amount of substance
Einheit gemäß Stoffliste	Unit acc. to substance list
Di-(2-ethylhexyl)phthalat	Di-(2-ethylhexyl)phthalate
Elastomerdichtung	elastomer seal
bei Stoffverboten	for substance restrictions
Begründung	source
betroffenes Material im Erzeugnis	affected material in the product
oder ELV-Ausnahme	or ELV-exemption
bei Chemikalien & Gemischen: Analysenmethode	for chemicals & mixtures: analytical method
Anmerkungen	remarks

## **Appendix B - IMDS Guideline for Suppliers**

### **1. Purpose:**

This document is a guideline to ensure the data quality in the IMDS and describes the requirements for IMDS material data sheets (hereinafter called MDS) submitted to Schaeffler by suppliers of the Schaeffler Group. For any questions related IMDS reporting please feel free to contact our specialists at [IMDS@schaeffler.com](mailto:IMDS@schaeffler.com).

### **2. Scope of application:**

All Schaeffler suppliers required to submit IMDS data according to the specifications of S132030-1 must comply with the requirements given therein. Current IMDS data must be provided for all initial series sample inspections. Initial series sample inspections will not be approved without an accepted IMDS entry. Suppliers must ensure that the IMDS data are provided unsolicited and in a timely manner.

Depending on the final customer and legal relevance (type approval), IMDS data is needed for prototypes, i.e. components in the development phase, or in the phases preceding the production start. Here again, suppliers must ensure, after receipt of the Schaeffler order, that these data are provided in good time and in conformity with the applicable IMDS guidelines and customer requirements.

### **3. Rules:**

All MDSs for parts purchased by Schaeffler must be sent to the IMDS Org-ID 282.

The remarks below on creation of MDSs are based on the currently valid IMDS recommendations and on the specific requirements of the automotive industry. In addition to this guideline, all applicable recommendations and customer requirements must be strictly respected and implemented.

The currently valid recommendations can be viewed, after accessing the IMDS-system, in the "Help" menu under "Recommendations". Special requirements of the automotive industry and further information on the IMDS can be found on the public pages under the menu item "FAQ".

#### **3.1 Selection of material modules:**

In principle, materials shall be reported in the MDS in their final condition. Material compounds reacting with each other or intermediate reaction products must not be reported.

As a matter of priority, the declaration requirements according to GADSL (Global Automotive Declarable Substance List: [www.gadsl.org](http://www.gadsl.org)) must be complied with.

For standard materials, the material modules of the IMDS Steering Committee published according to IMDS Rec. 001 must be used. Exceptions are only possible if declaration requirements cannot be met by these modules. In this case, a note to this effect must be entered in the field "Remarks" in the material module.

#### **3.2 Language:**

The mandatory system language is English. This means all entries must be made in English. Additional entries in German language are optionally possible. Entries in other languages cannot be accepted.

#### **3.3 Specific requirements:**

The main purpose of the requirements listed in this section is to ensure that the data sheets must can be unambiguously correlated to a product that the requirements of Rec. 001 regarding the description of components are complied with and that Schaeffler fulfils its OEM-specific requirements.

### **3.3.1 Application code**

Some substances require an application code (e.g. Pb, Ni). If a material module shows the tab "Application", the supplier must assign the correct application code for this substance.

### **3.3.2 Polymer materials**

The question of application codes of the material must be answered and the answer should be in accordance with ISO 1043-1/2, ISO 11469 or ISO 18064.

### **3.3.3 Recyclate Information**

Recyclate information must be entered for materials with classification 1, 2, 3, 4, 5, 7.1 and 7.2 which are referenced in a semi-component or component.

### **3.3.4 "Company data"**

#### **The following fields have to be completed:**

"Part/Item No.", "Description", "Drawing No.", "Drawing dated", "Supplier Code".

Completion of the other fields is optional.

#### **Part/item number**

The Schaeffler part number has 13 digits, with the last four digits separated by a "-":

Example: 054174171-0000

#### **Component description**

The description of the component must be unambiguous and correspond to the most current Schaeffler drawing.

The use of supplier specific data, such as internal numbers, is not permitted.

The description must be entered in English.

If the required term is not contained in the translation table, the contact persons named above will provide assistance.

Example: Sprocket Camshaft / Kettenrad Nockenwelle

#### **Description of subcomponents**

The subcomponents in the IMDS must be described generically and unambiguously, and at least in English.



### Drawing number

The Schaeffler drawing number is brand-specific. This information can be found in the “Document”<sup>149</sup> field of the drawing.

Example: F-348096.01.KRAD; L-03131-0E96-01

### Version / Date

The relevant date is the drawing date which is the basis for series production sampling.


Example: 4/25/2008

### Supplier no.


The number to be entered here is the specific supplier number assigned by Schaeffler. The supplier number has a 10-digit format. If necessary, the leading digits are filled with zeros. The supplier number can be found, for example, in the purchase order. Please do not use the DUNS number.

Example: 0000012345

Examples of drawing title blocks are shown below. The IMDS-relevant information is highlighted:

<b>Part/item number</b>		<b>Version / Date</b>	
Umfeld / Add. Data			
Material, Sache / Item <b>054174171-0000</b>		Ref.-Nr. F-348096.01.KRAD	Bezeichnung / Designation 9,525 x 23,000 x 25,000 M
Version 00	Drawn Date 2008-04-25	Änderungsbeschreibung / Modification description	
Vor-Vers. Prev. ver.	Änd.-Nr. Modif. No. 281223	 © 2006 Schaeffler KG	
Maßstab Scale 2:1	Benennung / Description <b>Kettenrad Nockenwelle</b> <b>sprocket camshaft</b>		Zeichner / Prep. by S. Witke
Maße ohne Toleranzen General tolerances ISO 2768-mK			Prüfer / Chkd by R. Fuhrmann
Tolerierung Tolerancing DIN 7167	Erweiterte Benennung / Additional description		Labor/Büro / Lab./office A14 AM/HZA-LFKB
Masse / Mass 317 g	Werkstoff, Halbzeug / Mater., semi-finished prod.		
Blatt Sheet 1 / 1	Format Size A1	Bestellzeichnung Purchased supplier drawing	Dokument / Document EDP F-348096.01 A00

<b>Designation</b>		<b>Drawing no.</b>	
Benennung / Description <b>Nabe f. Verstem.</b> <b>Hub for Stamping</b>		 © 2011 LUK GmbH & Co. KG	
Erweiterte Benennung / Additional description		Zeichner / Prep. by L. Krüger	
		Prüfer / Chkd by U. Weller	
		Labor/Büro / Lab./office L41 ALKBHL-LKSK	
Werkstoff, Halbzeug / Mater., semi-finished prod. C45 D_812_01400			
Fertigteilzeichnung Finished-part drawing		Dokument / Document EDP L-03131-0E96-01 000	

### 3.4 IMDS ID:

The IMDS ID numbers are assigned according to the rules of the IMDS Rec. 001, Section 3.2.2. 001, Section 3.2.2.

An MDS with a new IMDS ID must be created for each component with a new component number. Where a correction of an existing MDS is to be created, e.g. after an MDS has been rejected or the index of the drawing number has changed, the MDS must be created as a new version of the existing IMDS ID number.

MDSs whose ID numbers are not assigned in the correct way will not be accepted.

The following copying functions are available in the IMDS:

⇒ Copying: Creates a 1:1 copy of the existing record with a new ID number:

Type	Component number	ID number
F-348096.01	054174171-9001	123456 / 1
F-348096.01	054174171-0000	456789 / 1

⇒ New version: Creates a 1:1 copy of the existing record with the **same ID number**; only the version number increases.

Type	Component number	ID number
F-348096.01	054174171-0000	456789 / 1
F-348096.01	054174171-0000	456789 / 2

### **3.5 Revisions:**

Revisions of MDSs can be necessary for various reasons:

a) Legally stipulated declaration requirements (e.g. REACH SVHC substances) or GADSL have to be updated.

Schaeffler suppliers are expected to meet these declaration requirements promptly and without being requested, because Schaeffler must fulfill information obligations towards the customer also.

b) Rejections or other requests by Schaeffler.

Data sheets rejected by Schaeffler must be corrected directly on the basis of the reason for rejection.

Schaeffler can request update due to formal changes or new IMDS rules (e.g. drawing change level)

### **3.6 Rejections:**

In case of rejection of a material data sheet, a detailed reason for the rejection is provided.

### **4 Additional:**

Basic questions on the use of the IMDS recommendations can be clarified with the IMDS-helpdesk. If you still have any questions, please contact the persons in charge. Contact information can be found below the reason for rejection, or in e-mail received. Data revisions must be done as quickly as possible, and take into account all reasons for rejection.

**Translation table for the description of components**

DE	EN	EN	DE
Anschlagpuffer	Travel stop	Arc spring	Bogenfeder
Arretierbolzen	Plunger	Assembly	Zusammenbau
Arretierung	Detent pin	Axial ring	Axialring
Aussenring	Outer ring	Backplate	Grundplatte
Axialring	Axial ring	Ball	Kugel
Bogenfeder	Arc spring	Ball cage	Kugelkaefig
Bolzen	Pin	Base frame	Grundkoerper
Buechse	Bush	Bellows	Faltenbalg
Dichtkappe	Seal cap	Belt pulley	Riemenscheibe
Dichtring	Sealing ring	Bolt	Schraube
Dichtung	Seal	Bolt w.shoulder	Stufenbolzen
Druckfeder	Coil spring	Bush	Buechse
Druckstueck	Release plat. cup	Bushing washer	Reibring
Duese	Nozzle	Cage	Kaefig
Faltenbalg	Bellows	Central plate	Zentralplatte
Feder	Spring	Chain tensioner	Kettenspanner
Fett	Grease	Chain tensioner hydraulic	Kettenspanner hydraulisch
Freilaufhuelse	Drawn cup	Circlip	Schnapping
Fuehrungshuelse	Guiding tube	Clutch master	Kupplungsgeber
Gehaeuse	Housing	Coil spring	Druckfeder
Gewebe	Fabric	Cover	Kappe
Gewinding	Threaded ring	Detent pin	Arretierung
Grundkoerper	Base frame	Drawn cup	Freilaufhuelse
Grundplatte	Backplate	Fabric	Gewebe
Haltefeder	Retaining spring	Flinger type shield	Schleuderscheibe
Halteklammer	Locking clamp	Friction sleeve	Reibhuelse
Hebel	Lever arm	Gear shift lever	Schalthebel
Innenring	Inner ring	Grease	Fett
Kaefig	Cage	Guiding tube	Fuehrungshuelse
Kappe	Cover	Housing	Gehaeuse
Kettenrad Nockenwelle	Sprocket camshaft	Hub	Nabe
Kettenspanner	Chain tensioner	Hub flange	Nabenflansch
Kettenspanner hydraulisch	Chain tensioner Hydraulic	Inner ring	Innenring
Kolben	Piston	Lever arm	Hebel
Kolbenstangenanschlag	Push rod end stp	Locking clamp	Halteklammer
Kugel	Ball	Low pressure pipe	Nachlaufschlauch
Kugelkaefig	Ball cage	Needle	Nadel
Kupplungsgeber	Clutch master	Nozzle	Duese
Mitnehmerscheibe	Retainer plate	Oil	Oel
Nabe	Stroke	Outer ring	Aussenring
Nabenflansch	Hub flange	Pin	Bolzen
Nachlaufschlauch	Low pressure pipe	Piston	Kolben
Nadel	Needle	Plate	Platte
Niet	Rivet	Plug	Verschlussstopfen
Oel	Oil	Plunger	Arretierbolzen
Platte	Plate	Pole core	Polkern
Polkern	Pole core	Push rod end stp	Kolbenstangenanschlag
Reibhuelse	Friction sleeve	Release plat. cup	Druckstueck
Reibring	Bushing washer	Restraint cylinder	Rueckhaltebuchse
Riemenscheibe	Belt pulley	Retainer plate	Mitnehmerscheibe
Ring	Ring	Retaining ring	Sprengring
Rueckhaltebuchse	Restraint cylinder	Retaining spring	Haltefeder
Schalthebel	Gear shift lever	Ring	Ring
Scheibe	Washer	Rivet	Rivet

DE	EN	EN	DE
Schiebemuffe	Sleeve	Rolling element	Waelzkoerper
Schleuderscheibe	Flinger type shield	Se.Flyw.casting	Schwungscheibe
Schnappkaefig	Snap cage	Seal	Dichtung
Schnapping	Circlip	Seal cap	Dichtkappe
Schraube	Bolt	Sealing ring	Dichtring
Schweissring	Welding ring	Sleeve	Schiebemuffe
Schwungscheibe	Se.Flyw.casting	Snap cage	Schnappkaefig
Sprengring	Retaining ring	Spindle	Shaft
Stator	Stator	Spring	Feder
Stufenbolzen	Bolt w.shoulder	Sprocket camshaft	Kettenrad Nockenwelle
Ventil	Valve	Stator	Stator
Verschlussstopfen	Plug	Threaded ring	Gewinding
Waelzkoerper	Rolling element	Travel stop	Buffer stop
Welle	Spindle	Valve	Ventil
Zentralplatte	Central plate	Washer	Scheibe
Zusammenbau	Assembly	Welding ring	Schweissring