# **The Open World of Finest Weighing Solutions.** Since 1866.



Bizerba SE & Co. KG

Version: 01

Bizerba Product Compliance Standard restrictions and bans on harmful substances BPN\_01-001-XX Currently available via Bizerba purchasing or intranet



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# 1. Purpose and area of application

This standard must be applied to the design and development of products in all business units of Bizerba SE & Co.KG (hereinafter referred to as Bizerba) including all subsidiaries, as well as to the procurement of materials and parts going into products and/or packaging. This is also valid for merchandise used at Bizerba. The aim of this standard is to guarantee compliance with current and upcoming regulations regarding ingredients in products and components as well as packaging, and to minimize the use of harmful but not (yet) banned substances. With order acceptance, the supplier accepts the requirements of this Bizerba Product Compliance Standard "BPN\_01-001-01 Restrictions and bans on harmful substances".

# 2. Abbreviations

CP65	California Proposition 65
BPN	Bizerba Product Compliance Standard
PAK	Polycyclic aromatic hydrocarbons
REACh	Registration, Evaluation, Authorization and Restriction of Chemicals
RoHS	Restriction of the Use of Certain Hazardous Substances in Electrical and
	Electronic Equipment
SCIP	Substances of Concern In articles as such or in complex objects (Products)
SVHC	Substance of Very High Concern
SSN	Simplified SCIP Notification
CAS number	Chemical Abstracts Service number
PA	Polyamide
PP	Polypropylene
PE	Polyethylene
PVC	Polyvinylchloride
EUTR	European Timber Regulation

# 3. Duties

# 3.1 Duties Bizerba

The concerned departments must observe the following points:

- In product design and development, current and upcoming substance bans must be taken into account and complied with in accordance with this Bizerba Product Compliance Standard.
- Drawings, purchase orders and other documents must not request any prohibited substances.
- Compliance with BPN\_01-001-XX has to be requested by a relevant note on the drawings. (Drawings as from January 2021)
- The same measures must also be observed for purchased equipment (monitor, 3rd-party equipment ...).
- Supplier release may only be given after the supplier has confirmed compliance with BPN\_01-001-XX in writing.
- A written confirmation is valid only if BPN\_01-001-XX is mentioned in connection with the issue status.
- The supplier's written confirmation of the Bizerba Product Compliance Standard has to be archived.

# 3.2 Duties supplier

The supplier is obligated:

- To confirm the **Bizerba Product Compliance Standard** in writing and to send it to the responsible Bizerba purchaser.
- To comply with the restrictions listed below for all parts, components, materials, packaging or products supplied to Bizerba. These requirements are valid worldwide, even if deliveries are not made to the EU.
- Deviations of the delivery from this **Bizerba Product Compliance Standard** are to be reported to the contact persons listed below. Bizerba decides in individual cases whether non-conforming deliveries can be accepted.
- It must be constantly checked whether further substance restrictions exist or are planned or existing ones have changed, e.g. further substances have been added to the REACh candidate list or the validity of RoHS exemptions has changed.
- Own knowledge of substance restrictions must be kept current.
- Relevant restrictions also to the own supply chain must be communicated and all necessary measures to be taken to ensure compliance, e.g.through regular random checks, incoming goods inspection, audits, plausibility checks.

## 3.2.1 **Contact options**

• The following options are available to our suppliers to inform Bizerba:

Initial sampling	$\succ$	Contact via sampling department, Quality Bizerba
Resampling	$\triangleright$	Contact via sampling department, Quality Bizerba
Additional information	$\triangleright$	Contact via purchaser, Quality
Feedback to requests	$\succ$	Contact via requested department

- This **Bizerba Product Compliance Standard** must be confirmed by the supplier using the confirmation form (see item 7), otherwise there will be no supplier release!
- The written confirmation (see item 7 Confirmation form) has to be addressed to the responsible Bizerba purchaser.

Information (information on harmful substances, RoHS evidence, etc.) is to be submitted to Bizerba via the following information channels:

E-mail: <u>management.schadstoff@bizerba.com</u> Paper: Attachment in Initial Sample Inspection Report

Contact person for technical queries regarding the present Bizerba Product Compliance Standard:

Nadine Lochner E-mail: <u>Nadine.Lochner@Bizerba.com</u> Phone: +49 7433 12-2145 Mobile: +49 172 7497535

Attachments to delivery notes or loose documents in the packaging are not permitted.

In case of doubt, please contact the responsible Bizerba purchaser!

### 4. Bans, restrictions and substances to be declared

4.1 Legal substance restrictions

## 4.1.1 **RoHS Directive 2011/65/EU Ban of certain hazardous substances**

RoHS Directive 2011/65/EU and corresponding national regulations (e.g. ElektroStoffV in Germany) prohibit the following substances with the specified limit values. The limit values apply in each case to homogeneous substances, e.g. coatings, and not to the complete component or product.

If an exemption according to Annex III or IV to RoHS is claimed, this must be reported to Bizerba via the contact persons named under item 3.2. The validity of the exemptions according to Annex III is limited in time and requires constant monitoring. Suppliers are obligated to inform themselves about validity and expiration date as well as to initiate appropriate measures in due time. Material changes must be discussed with and approved by Bizerba.

Bizerba expects suppliers of electrical equipment to additionally take all measures required under RoHS to ensure RoHS compliance.

RoHS list of substances

- Lead (Pb), 0.1 % use among other things for Solder joints
- Mercury (Hg), 0.1 % use among other things for <u>Tilt switches</u>, <u>Mercury arc rectifiers</u>
- Cadmium (Cd), 0.01 % use among other things for Nickel-cadmium batteries
- <u>hexavalent Chromium</u> (Cr VI), 0.1 % use, among other things, as a component of paints and varnishes, wood preservatives
- Polybrominated biphenyls (PBB), 0.1 % Flame retardants in plastic insulation
- Polybrominated diphenyl ethers (PBDE), 0.1 % Flame retardants in plastic insulation
- Bis(2-ethylhexyl) phthalate (DEHP), 0.1 % use among other things as Plasticizers in PVC
- Benzyl butyl phthalate (BBP), 0.1 % use among other things as plasticizer in plastics
- Dibutyl phthalate (DBP), 0.1 % use among other things as plasticizer in plastics
- Diisobutyl phthalate (DIBP), 0.1 % use among other things as plasticizer in plastics

Since the RoHS Directive is regularly updated by means of so-called "Delegated Directives" where amendments are not reflected in Directive 2011/65/EU, one must regularly inform oneself about amendments and check their effects.

Further directives updating the RoHS directive can be found under the following link: \*

https://www.ce-richtlinien.eu/rohs-richtlinie-zur-beschraenkung-der-verwendung-bestimmter-gefaehrlicherstoffe-in-elektro-und-elektronikgeraeten/

# \*Note: Bizerba doesn't assume responsibility for the timeliness and availability of information on the above link. This link is intended only as an aid for suppliers.

# 4.1.2 REACh – Registration, Evaluation, Authorization and Restriction of Chemicals EU Directive 1907/2006

## 4.1.2.1 Candidate list – Substances of Very High Concern (SVHC)

As per EU Regulation 1907/2006/EC Article 33, each supplier of a product (including packaging) must declare to Bizerba all SVHC substances contained therein in a concentration greater than a mass percent of 0.1% (w/w).

SVHC substances are included in a candidate list published by the EU: The candidate list is constantly supplemented by the EU <u>https://echa.europa.eu/candidate-list-table</u>. Each supplier is obligated to regularly check the update of the list.

According to the ruling of the European Court of Justice (ECJ) dated September 2015, information must be provided about SVHC in products even if incorporated in larger products such as cables in machines. The same applies to packages. (Once a product, always a product).

## 4.1.2.2 REACh Article 67 and Annex XVII Restrictions

Full title of Annex XVII: Restrictions on the manufacture, placing on the market and use of certain hazardous substances, mixtures and products. Each supplier is obligated to actively inform himself about the update of Annex XVII and to comply with its contents / restrictions.

https://echa.europa.eu/de/substances-restricted-under-reach

## 4.1.2.3 REACh Annex XIV List of substances subject to authorization

Substances listed in REACh Annex XIV may only be used within the scope of the exemptions ("exempted uses") and time limits listed therein if not prohibited elsewhere in this Bizerba Product Compliance Standard. REACh Annex XIV is constantly supplemented by the EU! Each supplier is obligated to regularly check the update of the Annex.

https://echa.europa.eu/de/authorisation-list

#### 4.1.2.4 SCIP database

The Waste Framework Directive assigns the European Chemicals Agency the task of setting up a database. The database in Germany is nationally implemented in the new § 16f of the Chemicals Act. All products containing a SVHC substance must be reported in the database.

These are products manufactured in the EU or imported into the EU from third countries. If, according to Art. 33 of the REACh Regulation, a product contains an SVHC substance of greater than a mass percent of 0.1% (w/w), the product supplier must submit this information to the SCIP database.

#### https://echa.europa.eu/de/scip-database

The Simplified SCIP Notification (SSN) generated in the SCIP database is to be forwarded to Bizerba without being asked.

The SSN number is to be submitted together with the REACh proof (e.g. sampling, change request, etc.). Bizerba uses this SSN number for the further maintenance of Bizerba products.

## 4.1.3 **Preference and avoidance list of packaging materials**

When selecting packaging materials, certain substances should be avoided and used only in exceptional cases. Table 1 lists both preferred and avoidable materials, packaging materials and packaging aids.

Table 1 Preference and avoidance list of	packaging materials
--	---------------------

Packaging material	Preferred / permissible	To be avoided
SVHC in packages or packaging material		<ul> <li>The following SVHC substances are to be avoided: http://echa.europa.eu/chem_data/ candidate_list_table_en.asp</li> </ul>
Paperboards, cardboard packaging	<ul> <li>Corrugated cardboard or solid fiber board with a high content of recycled paper (uncolored)</li> <li>Connections as adhesive tapes, tuck-in flaps, spot bonding</li> </ul>	<ul> <li>Film or plastic coatings</li> <li>Laminations or coatings (e.g. wax, paraffin, bitumen)</li> <li>Silicone impregnations</li> <li>Chlorine bleaching (for cardboard)</li> <li>Al-coated edge profiles</li> </ul>
Bags and covers	- PE - Paper (undyed)	<ul> <li>PA</li> <li>PVC</li> <li>Plastic mixtures</li> <li>Metal-plastic composite films</li> </ul>

		- Coated and impregnated papers and films
Cushioning	<ul> <li>Paper</li> <li>Cardboard</li> <li>Corrugated cardboard</li> <li>Other renewable raw materials</li> <li>Air-filled PE bags (unglued, uncolored)</li> </ul>	<ul> <li>Polystyrene</li> <li>Composite foams</li> <li>Plastic chips</li> <li>Mineral wool</li> </ul>
Wooden packing materials (boxes, crates)	<ul> <li>Solid wood</li> <li>Plywood (untreated)</li> </ul>	<ul> <li>Chipboards</li> <li>Coated or lacquered wood</li> <li>Non-separable connections with metal or plastic</li> </ul>
Carriers (pallets)	<ul> <li>Reusable EURO pallets (800 x 1200 mm) according to DIN 15146-2 - cardboard</li> </ul>	<ul> <li>Pallets with blocks made of plastic or metal</li> <li>Reusable PP pallets</li> <li>Foam</li> </ul>
Load securing materials: Strapping belts, shrink and stretch film, corner protection	<ul> <li>Made of one material (e.g. PP) - PE or PP (colorless, unglued)</li> <li>Cardboard with a high content of recycled paper</li> <li>Multiple paper layers glued together</li> </ul>	- PA
Handles	<ul> <li>Perforated punching</li> <li>PE</li> <li>PP</li> </ul>	- Non-separable connections
Adhesive tapes	- Paper - PE - PP	- PVC
Stickers, delivery note pouches	<ul> <li>Paper</li> <li>PE or PP for delivery note pouches</li> </ul>	
Adhesives		<ul><li>Solvent-based</li><li>Not water soluble</li></ul>
Print colours		<ul> <li>Solvent-based</li> <li>Containing heavy metals</li> </ul>
Bottles (cleaning agents)	- PE	<ul> <li>Glass (only if absolutely necessary for reasons of chemical compatibility with the product)</li> </ul>

## 4.1.4 Illegally harvested timber - products and packaging

According to the European Timber Regulation EUTR (EU995/2010), products made from illegally harvested timber are prohibited from being placed on the EU market since March 2013. For timber or timber products placed on the EU or imported into the EU a so-called due diligence system must be in place in order to monitor the origin of the timber and to ensure compliance.

Timber products are also materials and products made of paper, cardboard and mixed materials containing timber.

Bizerba prohibits the use of illegally harvested timber and expects concerned suppliers to comply with EUTR requirements.

### 4.1.5 Food Contact Materials (FCM)

Food contact materials are all materials and articles intended to come into contact with food. Each company involved in the production process of the food contact substance, material or article is responsible for the conformity of its final product. This is confirmed in a declaration of conformity.

#### Food conformity in the European Union (EU)

Framework regulation VO (EC) 1935/2004 on materials and articles intended to come into contact with food regulates the general requirements regarding labeling, advertising and presentation. Since May 1, 2011, plastic materials getting in contact with food have been regulated by *Regulation (EU) No. 10/2011* which is applicable within the EU. In addition to this individual measure, the manufacturer must comply with further regulations such as the requirements for Good Manufacturing Practice (GMP) (*Regulation (EC) No. 2023/2006*). Evidence of Good Manufacturing Practice includes the following elements: Risk assessment; traceability; training; documentation; internal audits.

#### Example of a declaration of conformity:

Konformitätserklär	ung / Declaration of Conformity
Hersteller	
Manufacturer	
Teile, welche durch diese Konformitätserklärung	Component A
abgedeckt werden	Component B
Product(s) covered by this declaration	
Datum der Erstellung der Konformitätserklärung	Date
Date of the declaration	21.10.2020
Die Konformität wird erklärt über	
Declaration of compliance with	
<ul> <li>Diese(s) Produkt ist / sind konform zu VERORDNUNG (E</li> </ul>	
This Product(s) complies with Regulation (EC) No. 10/20	
<ul> <li>Diese(s) Produkt ist / sind konform zu VERORDNUNG (E This Reputation (CO) Ale 4025</li> </ul>	
This Product(s) complies with Regulation (EC) No. 1935/	
<ul> <li>Diese(s) Produkt ist / sind konform zu VERORDNUNG (E This Desclusion) and the participant of the 2002</li> </ul>	
This Product(s) complies with Regulation (EC) No. 2023/	
Diese(s) Produkt(e) wurde ausschließlich aus Rohstoffen her	gestellt, weiche in der VERORDNUNG (EU) Nr. 10/2011
(in der aktuellen Fassung) gestattet sind.	/2011 (in der aktuellen Fassung) wurde für diese(s) Produkt(e)
	2011 (In der aktuellen Fassung) wurde für diese(s) Produkt(e)
durchgeführt.	
This Product has been manufactured only with row materials	that are allowed in the Regulation (EC) No. 10/2011 (as amended).
A risk assessment according Regulation (EC) No. 10/2011 (a	
Informationen zur Konformität der verwendeten Substan:	zen, die Beschränkungen oder Spezifikationen unterliegen
Information about the compliance of substances used that are	
Konformität der Gesamtmigrationsgrenze	Insgesamt liegt die Migration unter den, in der Verordnung (EU) Nr.
Compliance with overall migration limit	10/2011, festgelegten Standardtestbedingungen <10mg/cm <sup>2</sup> . Weitere
een plaatee mit erei en mig eiter mit.	Informationen können auf Nachfrage bereitgestellt werden.
	······
	Overall migration is <10mg/dm <sup>2</sup> under standard testing conditions laid
	down in Regulation (EC) No. 10/2011. Additional information can be
	provided on request.
Stoff Specific Migration Limits	Testergebnis (oder erwarteter Wert der Migration aus
(SMLs)	Berechnung)
Individual Substances	Test results (or estimated level of migration from calculations)
Stoff 1 Xx mg/kg	
Stoff 2 Xx mg/kg	
Angaben zur Konformität von Stoffen, die Reinheitskriterien u	nterliegen
Information about the compliance of substances subject to pu	rity criteria
Es gibt keine Stoffe, die Reinheitskriterien unterliegen.	
Abgesehen von den spezifischen Migrationsgrenzwerten (SM	Ls) gibt es keine Substanzen, die Beschränkungen unterliegen.
There are no substances subject to purity criteria.	
There are no substances subject to restrictions apart from the	
Informationen über die Verwendung von "Dual Use"-Zusätze	in diesem Produkt
Information about the use of "dual-use" additives in the mater	al

### Food conformity in the USA

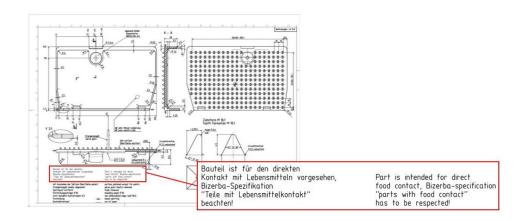
The U.S. Food and Drug Administration (FDA) is the government agency in the USA regulating indirect food contact substances, materials and products. All applicable regulations are published in the "Code of Federal Regulation" (*CFR*) and all food additives are included in Title *21 CFR Part 170-199*. Compliance with FDA requirements is mandatory. For NSF (National Safety Foundation) certification these are also a requirement.

Example of a declaration of conformity:

Konformitätserklärung / Declara	ation of Conformity
Hersteller	
Manufacturer	
Teile, welche durch diese Konformitätserklärung abgedeckt werden	Component A
Product(s) covered by this declaration	Component B
Datum der Erstellung der Konformitätserklärung	
Date of the declaration	
Material	
material	
FDA-Konformität	21CFR 1xx.xxxx
FDA-conformity	

#### Procedure for the supplier:

Direct contact of the component with food is indicated by an additional reference on the technical drawing handed over to the supplier. The supplier is obligated to issue and transmit to us the FCM Declaration of Conformity analog to the legal guidelines for the products the supplier manufactures.



## 4.1.6 Batteries

Batteries Act <u>2006/66/EC</u> and its national laws (in Germany <u>Batteries Act BattG</u>) prohibit the substances below, specify a labeling obligation and require registration with the respective environmental authority (in Germany: <u>German Environment Agency</u>).

#### Bans:

Mercury content > 0.0005 % by weight Cadmium > 0.002 % by weight BattG §3 par.1 BattG §3 par.2

## Mandatory labeling:

Suppliers must inform themselves about banned substances and substances subject to labeling in accordance with current legislation and declare the products accordingly. Substance subject to mandatory labeling (as of 08/2020):

Pb (lead) > 0.004 % by weight

#### **Registration:**

The supplier or manufacturer of the battery / rechargeable battery pack must be registered with the German Environment Agency.

### Transport:

The supplier must decide on his own whether the delivery of batteries / rechargeable battery packs contains hazardous substances which are subject to special measures during transport. Such measures must be performed by the supplier in accordance with legal requirements and corresponding evidence must be provided to Bizerba.

The **Bizerba Product Compliance Standard** is to be applied to all types of batteries / rechargeable battery packs irrespective of shape, size, mass, material composition or use.

The supplier has to inform himself on his own of any changes to legal requirements and perhaps implement them in consultation with Bizerba.

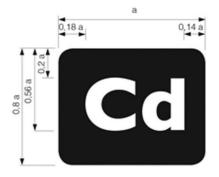
#### 4.1.7 Ecodesign

The Ecodesign Directive provides for minimum requirements concerning energy efficiency and resource efficiency to be set for energy consumption related product groups as part of individual implementation measures.

#### 4.1.7.1 Display Directive 2019/2021 (valid effective March 01, 2021)

This directive contains ecodesign requirements for the placing on the market and putting into service of electronic displays, specifically for the operator display the following specifications apply:

Electronic displays with a screen containing cadmium (Cd) of more than 0.01% by mass in homogeneous materials as defined by the RoHS Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment are marked with the logo "Contains Cadmium". The logo must be clearly visible, durable, legible and indelible. The logo must conform to the illustration below:



**Contains cadmium** 

**Cadmium free** 

An additional logo "Contains Cadmium" is to be permanently attached or imprinted to the inside of the display panel in an area clearly visible to persons once the outer back panel with the outer logo attached to it has been removed.

A logo "Cadmium-free" is attached when all homogeneous material parts of the display have a cadmium (Cd) mass content of no more than 0.01% as defined by the RoHS Directive. Halogenated flame retardants must not be used in the housing and column of electronic displays.

Potential hazards of flame retardants such as polybrominated diphenyl ethers (PBDE) and polybrominated biphenyls (PBB) concerning their formation of polybrominated dibenzodioxins and dibenzofurans (PBDD/F) have led to a ban by the EU (WEEE, RoHS, ElektroG).

# 4.1.8 **Conflict Minerals**

Conflict Minerals are tantalum, tin, gold and tungsten which are mined in the Democratic Republic of Congo and adjacent areas. Under the Dodd-Frank Act, listed companies in the USA are required by law to disclose the use of these substances.

The use of such Conflict Minerals, regardless of the concentration, must be reported to Bizerba in any case.

Therefore, suppliers are obligated to notify Bizerba immediately of the use of known Conflict Minerals in parts, components, materials or products supplied to Bizerba.

For communication with Bizerba and in the supply chain, the CFSI Reporting Template should be primarily used. <u>http://www.conflictfreesourcing.org/conflict-minerals-reporting-template/</u>

# 5. Requirements on reporting

## 5.1 Minimum requirements

Irrespective of the type of requirements (RoHS, REACh, etc.), minimum feedback requirements must be ensured.

For this purpose, we ask all internal and external suppliers to observe and apply the following requirements.

- Company address of supplier or contractual partner
- Reference to legal basis (e.g. L2011/65/EU, EC No. 1907/2006, etc.)
- Substance reference (e.g.: Lead content in % by weight (w/w))
- Exception naming (Ex: Exception No.6a RoHS Annex III)
- Reference to the products delivered to Bizerba (material number and material designation)
- Name and function of supplier

## 5.1.1 **Direction of information**

Information (information on harmful substances, RoHS evidence, etc.) is to be submitted to Bizerba via the following information channels:

E-mail: management.schadstoff@bizerba.com

Paper: Attachment in Initial Sample Inspection Report

Attachments to delivery notes or loose documents in the packaging are not permitted.

## 6. History

This history includes all changes to this **Bizerba Product Compliance Standard**. An index is marked X.Y (1.0). After a change concerning the content of the area of application the index "X" must be updated. For formal changes such as spelling errors, department names or abbreviations, index "Y" has to be updated.

Revisions to "X" versions are made only one time per year, if possible.

Version	Modified on:	Modification	Release
1.0	Dec. 2020	Release version from E005	F.Otterbach

# 7. Confirmation form

## Company:

Contact:

Date, signature

This signature confirms compliance with this Bizerba Product Compliance Standard - BPN\_01-001-01.