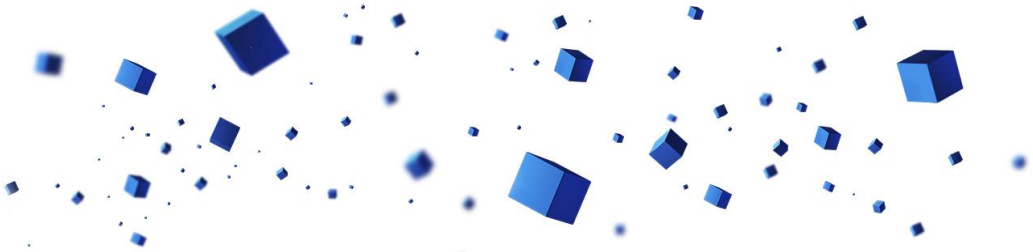
bluesign® CRITERIA for bluesign® APPROVED chemical products for end-consumer use

Version 3.0 | 2020-03



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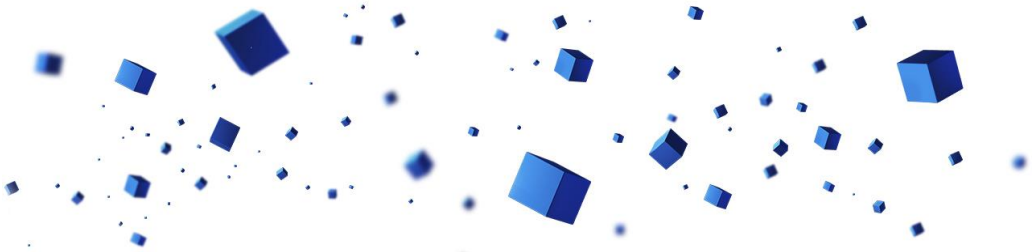


1 Purpose

These bluesign® CRITERIA define the requirements for chemical products for end-consumer use labeled with the bluesign® APPROVED trademark.
Communication of bluesign® trademarks and rights of use is described in the *bluesign® Communication Guidelines* and the bilateral agreement between BLUESIGN and the SYSTEM PARTNER and is not the subject of this document.

2 Scope of the bluesign® APPROVED trademark

In terms of this document, the "bluesign® APPROVED" trademark applies to product care articles for textiles, garment, apparel, equipment and footwear for direct use by the end consumer.

3 Definitions

For a comprehensive list of terms and abbreviations, please refer to the document *bluesign® glossary.*

4 Requirements for chemical suppliers

A chemical supplier who produces chemical products for end-consumer use that shall be bluesign® APPROVED must be a bluesign® SYSTEM PARTNER. The SYSTEM PARTNER shall follow the *bluesign® CRITERIA for production sites | Annex: Chemical supplier* and the *bluesign® GUIDELINE – Product Stewardship for chemical supplier.*
Additionally, the bluesign® SYSTEM PARTNER shall ensure that the chemical products meet the criteria at hand (see Chapter 5) and report relevant data to BLUESIGN.
BLUESIGN will evaluate the data and register the chemical products as bluesign® APPROVED if compliance with the requirements mentioned in Chapter 5 is present.

5 Requirements related to the chemical product

5.1 Preliminary remark

Chemical products which meet the requirements of the bluesign® CRITERIA at hand will be registered as bluesign® APPROVED and will be listed in the bluesign® GUIDE.

5.2 General requirements

For chemical products intended for end-consumer use, a risk assessment shall be carried out by the chemical supplier and provided to BLUESIGN. The following points shall be taken into consideration:

- Lifecycle hazard profile
- Lifecycle exposure profile (human beings, environment)
- Risk evaluation (human beings, environment)
- Risk management (human beings, environment)

The risk assessments must conclude that the product is safe. A safe product is defined as a product that does not present any health risk and/or any risk to the environment, or only the minimum risks compatible with the product's use under normal or reasonable conditions of use.

The following points shall be considered:

- The characteristics of the product, including its composition and packaging
- The effect on other products, where it is reasonably foreseeable that it will be used in combination with other products
- The presentation of the product, the labeling, any warnings and instructions for its use and disposal, and any other indication or information regarding the product
- The categories of consumers at risk when using the product, in particular children and the elderly

5.3 Requirements for the finished product (mixture)

- The goal is a product without any hazard classification according to GHS
- European regulations regarding detergents and other product groups shall be followed, if applicable
- All liquid products should be water based. Exceptions can only be accepted after individual evaluation by BLUESIGN (additional data required)
- Using renewable feedstock, bio-based materials and recycled compounds shall be the goal

Chemical products classified under hazard statements listed in Table 5.1 are not allowed.

Code	Hazard Statement
Health hazards	
H300	Fatal if swallowed
H301	Toxic if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H317	May cause an allergic skin reaction
H330	Fatal if inhaled
H331	Toxic if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H340	May cause genetic defects
H341	Suspected of causing genetic defects
H350	May cause cancer
H350i	May cause cancer by inhalation
H360F	May damage fertility
H360D	May damage the unborn child
H360FD	May damage fertility. May damage the unborn child
H360Fd	May damage fertility. Suspected of damaging the unborn child
H360Df	May damage the unborn child. Suspected of damaging fertility

Code	Hazard Statement
H361f	Suspected of damaging fertility
H361d	Suspected of damaging the unborn child
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child
H362	May cause harm to breast-fed children
H370	Causes damage to organs
H371	May cause damage to organs
H372	Causes damage to organs through prolonged or repeated exposure
H373	May cause damage to organs through prolonged or repeated exposure
Environmental hazards	
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long-lasting effects
H411	Toxic to aquatic life with long-lasting effects
H412	Harmful to aquatic life with long-lasting effects
H413	May cause long-lasting harmful effects to aquatic life

Table 5.1: GHS hazard phrases for finished products (mixtures) which are not permitted for bluesign® APPROVED chemical products for end-consumer use

5.4 Requirements for ingredients

5.4.1 General requirements

The supplier of an ingredient shall confirm "safe use" for the intended application. Ingredients shall be reduced where possible to only the necessary active substances.

5.4.2 Perfumes

The use of perfumes shall be avoided. Exceptions from this requirement shall be well-founded (e.g. unpleasant odor of unavoidable active substances).
Sensitizing perfumes (H334 or H317) shall not be part of the mixture.

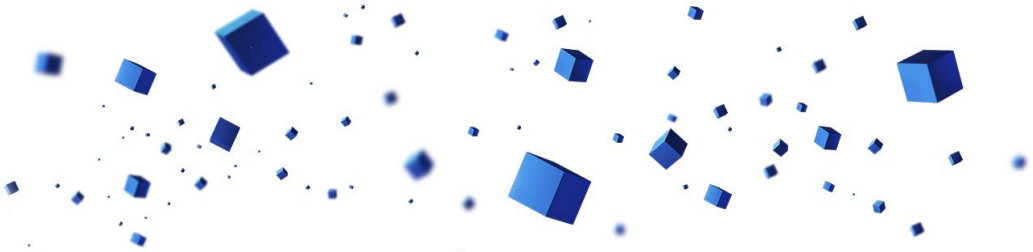
5.4.3 Colorants

The use of colorants shall be avoided. Dyestuffs and pigments can be tolerated only as an active ingredient or for allowing/increasing effective use of the product.

5.4.4 Biocides

The use of preservatives shall be avoided or at least minimized. If the use of preservatives is unavoidable, it must be well-founded and documented by providing type and quantity of substances.

Wherever possible, the use of antimicrobial active substances and biocidal products should be avoided or minimized.
Please refer to the document *bluesign® CRITERIA for CHEMICAL ASSESSMENT | Annex: Biocidal products and antimicrobial active substances* for specific requirements.



5.4.5 Solvents

Aromatic and chlorinated solvents are not allowed.

5.4.6 Nanomaterials

Neither the intentional use nor the marketing of nanosized ingredients is allowed.

5.4.7 Perfluorinated and polyfluorinated substances

Perfluorinated and polyfluorinated substances are not allowed.

5.5 Requirements for spray applications

For spray applications the following additional criteria apply:

- Aerosol sprays based on propellant gas and pressured gases are not allowed; only manual pump sprays are allowed.
- The particle size (MMAD) shall be at least 30 µm with no more than 1 % of the particles having an aerodynamic diameter of 10 µm or less; test reports have to be provided.
- Tests according to the OECD 403 TNO testing guideline shall be carried out, if applicable and necessary to estimate the application risk.
- Active ingredients (substances or mixtures) classified as H334 or H317 are not allowed.
- Relevant toxicity data on all components of the product must be available.
- Labeling of the product shall conform to all applicable laws and regulations and shall contain comprehensive consumer safety advice.
- No fragrance compounds or perfumes shall be added to the product, in order to allow correct dosing as indicated by the typical scent of the product and prevent masking of the characteristic odor
- After application of the product, treated areas shall be recognizable by a visible indication (e.g. wetting or foaming effect) in order to avoid overdosing.
- "King-size" packages which encourage overdosing in application shall be avoided.

5.6 Requirements for effects

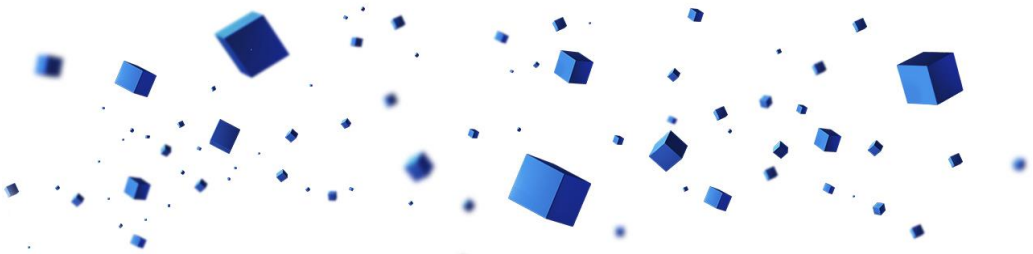
Apart from cleaning effects, all care products used by the consumer shall have the function of restoring or improving the originally intended function of the product (garment etc.) and in this way extending the lifetime of the product. No unnecessary functions (effects) shall result from the application of the care product.
All effects claimed by the producer of the care product shall be verified by suitable information.

5.7 Requirements for packaging

- Sustainability aspects (including weight/utility ratio) shall be respected in material selection
- PVC is not permitted
- Recycled material is to be preferred
- Paper and cardboard should originate from certified sources or should be made of recycled materials

5.8 Requirements for consumer information

Dosage instructions and clear information on use and disposal shall be provided on the product and/or packaging. Correct and sufficient labeling according to relevant national and international legislation is mandatory.



5.9 Further requirements

The requirements in *bluesign® SYSTEM BLACK LIMITS (BSBL)* and the *bluesign® SYSTEM SUBSTANCES LIST (BSSL) - Consumer safety limits* shall be followed.

If not stated differently in BSBL, the following shall be fulfilled:

- The concentration of each SVHC component shall be below 100 ppm
- The concentration of substances classified as CMR class 1A and 1B (Regulation 1272/2008 EC) shall be below 10 ppm
- The concentration of substances classified as CMR class 2 (Regulation 1272/2008 EC) shall be below 100 ppm
- EDTA, phosphates and nitromusk, as well as polycyclic musks, are not allowed

6 System integrity

BLUESIGN has the right to test sample articles from the market. The bluesign® SYSTEM PARTNER is required to support these tests with information and reference samples.

6.1 Active Information duty

To ensure the function and integrity of the bluesign® SYSTEM a bluesign® SYSTEM PARTNER is obliged to report immediately to BLUESIGN on:

- Non-compliance of bluesign® APPROVED chemical products with bluesign® CRITERIA, especially if legal requirements in the market of origin or target markets are infringed.

If relevant the end-consumer shall also be informed.

7 Validity

This document comes into effect from 2020-03. It replaces the *bluesign® CRITERIA for bluesign® aproved chemical products for direct consumer use* version 2.1.
For all companies that signed an agreement for an assessment or for a bluesign® SYSTEM PARTNERSHIP before 2020-03 the adapted and newly introduced requirements are binding after a transition period of one year from the date of release.
This document is subject to revisions. Details on the revision procedure for regular and unscheduled revisions are compiled in the *bluesign® SYSTEM* document.

8 Other applicable documents

The following documents complement the document at hand:

- *bluesign® SYSTEM*
- *bluesign® glossary*
- *bluesign® CRITERIA for production sites*
- *bluesign® CRITERIA for production sites – Annex: CRITERIA for chemical supplier*
- *bluesign® GUIDELINE – Product Stewardship for chemical supplier.*
- *bluesign® CRITERIA for CHEMICAL ASSESSMENT – Annex: Biocidal products and antimicrobial active substances*
- *bluesign® SYSTEM SUBSTANCES LIST (BSSL) - Consumer safety limits*
- *bluesign® SYSTEM BLACK LIMITS (BSBL)*
- *bluesign® Communication Guidelines*

Current versions are available for download at www.bluesign.com/criteria.