This schedule of materials (bill of materials) concerns taps, with or without pull out hoses.

One application can only include building components that have the same health properties, and which are identical with regard to purpose, design, manufacturing process and material composition. This is stated in section 6(1) of the Approval Executive Order. It is therefore not possible to apply for approval of taps with pull out hose within the same application as for taps without pull out hose.

Before you fill out your schedule of materials, it is recommended that you complete the form for product names/versions, so that you have a complete overview of which building components are included in your application, and how you will determine the test version (see below).

The forms in this document expand to fit your text as you fill out the cells. If you want to add a new row to the forms, place your cursor in the last cell in a column and press the "Tab" key on your keyboard.

**Use of toxicological advisor**
In certain cases a toxicological advisor must be employed to carry out a toxicological assessment of the building component, prepare an appropriate test programme and subsequently carry out an assessment and draw conclusions from the test results.

This is required when the building component or its individual components consist of:

* Plastic/elastomers

**Information on the building component and its individual components** **(subassemblies)**
Enter details in the form below concerning the individual components and materials included in the building component applied for and which come into contact with or can release harmful substances into the drinking water. Only specify information at the level of detail required for the application. If your building component is made entirely of one type of material, then it is only necessary to specify “entire building component“ and the type of material in the relevant form below. In the same way, you can group subassemblies of the building component, if they are made from the same type of material. It should be possible to identify the subassemblies on the drawings submitted.

Complete the forms and sections below that are relevant for your application, and attach the completed schedule of materials to the application form.

**Test version (the version of the building component that is representative for the application)**

All the information provided in the forms below must be based on that version of the building component, which is representative for all the versions applied for and which, under testing, constitutes a “worst case” in relation to contact with drinking water and risk of migration of harmful substances into drinking water.

If you are only applying for approval of one tap, then it is this tap (with pull out hose, if any) and associated connecting hoses, if any, that must be tested, regardless of the size of the hose kit.

If you are applying for approval of two or more taps, then a test version, representative of the range of taps applied for, must be specified.

For the part of the tap that is made of metal, the test version, or “worst-case”, is the version of the building component that has the greatest surface contact with drinking water, i.e. typically the greatest volume, which shall be tested in relation to the requirements of the Approval Executive Order. This applies in tests for lead, cadmium as well as nickel. In these cases, the test version will typically include the actual tap, i.e., the tap body, spout, individual components within the tap and any fixed connecting pipes of metal.

For the part of the tap made of plastic/elastomers, the “worst-case” is independent on size, but should be defined by the toxicological advisor based on the materials of plastic/elastomers that the building component or individual components are composed of. The toxicological advisor should, as part of the assessment and determination of the appropriate test programme, account for which version of the building component is to be tested as the test version. The same applies to the individual components made of plastic/elastomers. If possible, the building component or individual components must be tested with a surface area-to-volume ratio of 1, i.e. an area of 1 cm2 corresponds to 1 ml water.

If your tap is to be marketed with associated connecting hoses and/or pull out hoses with fittings, then the schedule of materials for “Pipes and hoses made of plastic/elastomers” must also be completed with reference to the hose, and the schedules of materials for “Fittings, manifolds, valves etc. made of metal and plastic/elastomers” must be completed with reference to the fittings. In the schedule of materials, the “worst-case” for respectively the hoses and fittings must be specified in compliance with the guidelines in the relevant schedule of materials.

As regards the actual tap, all the components mentioned above that are included in an application for approval of a tap, with or without pull out hoses, should be specified in the form below.

If you are in doubt about the test version, you may clarify it with the Secretariat by mail, before you start the testing.

**Specification of the test version**
In this form, specify the test version of the building component that will form the basis for the application.

|  |  |  |  |
| --- | --- | --- | --- |
| **Brand name** | **Product name** | **Item / serial number****(Optional)** | **Dimension:** **Volume of the parts of the tap in contact with drinking water** |
|  |  |  |  |

Note: There is no requirement to test taps made entirely of stainless steel alloys EN 1.4000-1.4999, and it is therefore not necessary to specify a test version.

If more test versions are used, they must all be specified. Test versions that are not covered by the application cannot be listed.

**Exemptions of components in marginal contact with drinking water**
Should you wish to exempt individual components in the building component from testing, then follow these guidelines:

Some types of individual component are only in marginal contact with drinking water, either in terms of area or time, and as they are not in significant contact with drinking water, they are therefore exempted from assessment and testing. The area exemption is relevant for small individual components, which as a rule have a surface area in contact with drinking water of less than 4 cm2 when the building component is in use, such as O-rings, small gaskets and other small individual components. The time exemption is relevant for individual components which are in contact with drinking water for less than 30 minutes at a time, e.g. if the contact with drinking water is limited to contact while draining the water. You can see a list with examples of exemptions on the website for the scheme.

Cartridges and tap aerators that are designed as parts part of a mixer tap are not covered by the approval requirement or by testing requirements.

The Secretariat does not need information on such individual components that are exempted, but they must be included and shown in drawings or other material in the application.

If you believe that there are other individual components in the test version of the building component that have only marginal contact with drinking water, either in terms of area or time, then enter them in this form and explain more detailed why they should be exempted from assessment and testing. If the explanation relates to marginal contact in terms of area, then the surface area in contact with drinking water of the individual component must always be specified.

|  |  |  |  |
| --- | --- | --- | --- |
| **Components in marginal contact with drinking water** |  **Area-****related****(Tick here)** | **Time-****related****(Tick here)** | **Reason** |
|  |  |  |  |

**Components and materials in contact with drinking water that can carry a risk of migration of harmful substances into drinking water**
In the form below, specify under points A and B all the individual components in the building component that are in contact with drinking water, or could otherwise cause migration of harmful substances into drinking water, and which, in scope (area) and degree of contact (time) have significant contact with the drinking water (i.e. are not exempted because of marginal contact with drinking water).

If the building component is manufactured and placed on the market with combinations of different subassemblies, all of these subassemblies should be entered on the form below.

If an individual component has a separate, valid “Approved for use with drinking water” approval (GDV approval) or a VA approval (health-related properties), which you would like to use as a basis for the application instead of testing the component, then the relevant approval number for the component should be specified. For VA approvals only approvals of components that have been VA-approved with regard to health-related properties before 1 April 2013 and that are still valid, can be used as a basis for approvals. It is also necessary to attach the actual VA approval to the application.

Foreign approvals should generally not be referred to or attached, but there may be a basis or background documentation for foreign approvals that might be used as documentation. It may for example be specific foreign toxicological evaluations, test programs and test results, provided that they are in accordance with the requirements of the Approval Executive Order and therefore may be included as documentation for the building component under application.

If you plan to base your application for approval of a building component on an individual component that is in the process of being “Approved for use with drinking water”, then the case number for the application for approval of the component as an independent building component should be specified instead. In such a case, the processing of your application will have to await the issue of an approval for the individual component as an independent building component.

**A. Metal components**
Specify below the types of alloy for the metal components contained in the building component by completing forms 1 and 2 to the extent that is relevant for your building component. Proceed directly to the next section if your building component does not contain metal.

Specify either the alloy number or the formula/composition. Other documentation for the alloy type is not required.

You must also specify if there are special coatings on the component or substances from the manufacturing processes, which can migrate into drinking water.

**1. Stainless steel alloys EN 1.4000-1.4999**
It is not required to test stainless steel alloys of type EN 1.4000-1.4999. Specify the alloy type below.

However, if the component is chrome-plated or nickel-plated then it must be tested for nickel in accordance with table 2 in Annex 1 of the Approval Executive Order. It is therefore necessary in these cases to attach test documentation for nickel carried out as accredited testing on three trial samples in accordance with table 2 in Annex 1.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Component** | **Alloy****(Specify alloy type)** | **Chrome plating/ Nickel plating****(Tick here)** | **Coating/ substances from manufacturing processes, if relevant****(Specify)** | **GDV approval (“Approved for use with drinking water”) / VA approval****(Specify approval number)** |
|  |  |  |  |  |

**2. Other metal alloys**
All other metal alloys must be tested for lead and cadmium according to table 2 in Annex 1 of the Approval Executive Order. Specify the alloy type below.

If the component is chrome-plated or nickel-plated, then the component must also be tested for nickel according to table 2 in Annex 1. It is therefore necessary in these cases to attach test documentation for nickel carried out as accredited testing on three trial samples in accordance with table 2 in Annex 1.

You must also specify if there are special coatings on the component or substances from manufacturing processes that might migrate into drinking water.

Control of the traceability between the alloy type and material documentation is included in the annual inspection.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Component** | **Alloy****(Specify alloy type)** | **Chrome plating/** **Nickel plating****(Tick here)** | **Coating/ substances from manufacturing processes, if relevant****(Specify)** | **GDV approval (“Approved for use with drinking water”) / VA approval****(Specify approval number)** |
|  |  |  |  |  |

**B. Components of plastic/elastomers**
Specify below the types of plastic/elastomers that the building component contains by completing the form to the extent relevant for your building component. Proceed directly to the next section if your building component does not contain plastic/elastomers.

For all components of plastic or elastomers (except those that are exempted, either generally or specifically, as mentioned above) a test programme based on a toxicological assessment must be drawn up and tests undertaken according to table 1 in Annex 1 of the Approval Executive Order for relevant substances that can influence drinking water.

You should attach the toxicological advisor’s assessment and test programme, the relevant test documentation and the toxicological advisor’s assessment of the test result.

|  |  |  |
| --- | --- | --- |
| **Component** | **Material type** | **GDV approval (“Approved for use with drinking water”) / VA approval****(Specify approval number)** |
|  |  |  |

**Declaration on “on-demand” products**
If the building component application should also include “on-demand” products, then the product range to be covered by the approval should be specified in the form below.

“On-demand” products means that you would like to manufacture your building component in variants that currently do not exist, for example based on customer requests, within a given product range. In "on-demand" production, the building component can be delivered upon special request from a specific customer ordering the same version of the building component in terms of design, manufacturing process and materials, but in a variant with special dimensions that do not match any of the versions in the version list.

You should only choose on-demand production if you are already using such production or if you have concrete plans to use it. If you only want to market and produce the variants you have specified in your list of product names/versions, you should not complete the form below.

The product range for on-demand products should comply with the test version of the building component, which forms the basis of the application.

The applicant must solemnly declare that the “on-demand” products that the company will manufacture with reference to the approval of the building component under application, will be within the specified product range.

|  |  |  |
| --- | --- | --- |
| **Brand name** | **Product name** | **Overall item number /serial number /type /model****(Optional)** |
|  |  |  |

|  |
| --- |
| **Product range for “on-demand” products included**  |
| *DN* | *Smallest* |  |
| *Largest* |  |
| *Length* | *Smallest* |  |
| *Largest* |  |
| *Other* |  |
| *Other* |  |