

Byggarubedömningen's guideline and information requirements for assessment of product, Version 2016-1.

Document ID: A40405_A41405_APR40405



A40405/A41405/
APR40405

1. Product information

Product

Product name:	A40405, A41405, APR40405	
Article No.: <i>Specify the type of number, for example RSK, E number, EAN, GTIN or supplier's article number. This should also be stated on the application.</i>	A40405, A41405, Apr40405	
Product description: <i>On application, please attach a product data sheet or similar documentation.</i>	Thermo-electric actuator	
Type of product:	<input type="checkbox"/> Chemical product	<input checked="" type="checkbox"/> Article
Date (year, month, day) of preparation/revision:	2019-06-19 First e15BVD-format; renewed assessment required by BVB spring 2019	

Supplier/Manufacturer

Supplier:	Lindinvent AB
Manufacturer if other than the supplier: <i>Voluntary information</i>	Möhlenhoff
Contact person:	Fredrik Lenninger
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Supporting documentation

Has a declaration of performance in line with the European Construction Products Regulation (EU) no 305/2011, been prepared for the product?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<i>If yes, attach the declaration of performance with the application</i>		
Is the article/product an electronic product and covered by the RoHS-directive (2011/65/EU)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<i>If yes, attach an "EU Declaration of Conformity", or alternatively another certificate that attests that the product corresponds to the requirements according to the RoHS-directive (2011/65/EU), together with the application</i>		
If the article/product is an electronic product that is covered by an exemption according to RoHS-directive (2011/65/EU), specify which exemption and date (year, month,	Exemptions according to RoHS: Date:	

day) when the exemption expires if time-limited:	
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2. Declaration of contents:

Specify the total content of the article or the chemical product, *on delivery*, in Table 1, or alternatively attach other documentation that provides the corresponding information. For instructions, please refer to the "Declaration of contents, BVB's declaration requirements, 2016-1", which is found at the end of this document.

Table 1, Contents of included substances and material (declaration of content in accordance with requirements)

Included substances and material	EG No./CAS No. (alternatively alloy)	Weight% (of entire product)	When applicable, state for which subcomponent	Weight% (of substance in subcomponent)	Comments (state eventual application of non-harmonized classifications)
Polyvinyl Chlorid		18,5	Connecting cable		H 03 V2V2H2-F; Cable with plasticizer
Copper		12,8			
Brass		0,31			
Brass	CuZn37Pb2	8,6	Case		Expansion element parts
Brass	CuZn39Pb2	2,15	Cover		
Steel	X8CrNiA18-9	1,1	Piston		
NBR		0,37	O-ring		
PTFE		0,02	washer		
NBR		0,04	Rubber sleeve		
Parafin		0,71	Expandable mtrl		
PA6, 10% GF, 20% GB		5,24	Piston top body		Radilon
PC ABS		3,03	Function display		Bayblen FR3000
PC PBT CL100		14,2	Housing		Xenoy CL100
PUR	ISO-CAST A 765 B	1,31	Sealing		
Softsilikon	KC 15AV / KU-TX 550	0,18	Insulation disc		
Silver plated ceramic		0,89	PTC		
PC ABS		0,71	PTC cover		Bayblend Fr3000
Brass	Cu Zn 37 F54	0,16	Contacts PTC cover		
PA6, 10% GF, 20% GB		9,92	Basic body		Grivory GVX-5H
Stainless steel	X10CrNi18-8	12,99	FO spring 110N		
POM 26% GF		0,8	Clamp		Hostaform C9021
PES		4,59	Bottom body		Ultrason E3010
Other substances		1,38			No data sheet required

<p>Are all substances reported in percentages down to 0.01% in Table 1, alternatively follow the declaration requirements for the level Recommended as described in "Declaration of contents, BVB's declaration requirements, 2016-1, given at the end of this document?" <i>(Enables the assessment Recommended)</i></p>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<p><i>If not</i>, does the declaration fulfill the instructions for the level Accepted, as described in "Declaration of contents, BVB's declaration requirements, 2016-1", given at the end of this document?</p>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<p>If any deviations from BVB's reporting requirements exist, specify these in the comments in Table 1, or alternatively here.</p>	<p>Other comments: product weight 100g; content declaration identical with declaration A40405_A41405_APR40405_MVD10 from 2015. The product is confirmed unchanged by Möhlenhoff 190618.</p>	

<p>Is the chemical composition different, for the product when applied (cured product) compared to the content at delivery? (applies to chemical products)</p>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<p>If yes, specify the content of the cured product in Table 2.</p>		

Table 2, Contents for applied products (full content in accordance with declaration requirements)

Included substances and material	EG No./CAS No.	Weight% (of the applied product)	Comments (state any application of non-harmonized classifications)
<p>If any deviations from BVB's reporting requirements exist, specify these in the comments in Table 2, or alternatively here.</p>	<p>Other comments:</p>		

<p>Does the product or any of its subcomponents contain substances with particularly hazardous properties (Substances of Very High Concern, SVHC-substances), which are included in the Candidate List at a concentration above 0.1 weight%?</p>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<p><i>If yes</i>, specify which substances in Table 1 together with the rest of the content of the product.</p>		
<p>State the date (year, month, day) for control the Candidate List.</p>	<p>Date: 190605</p>	
<p>The concentration is calculated at component level established on the principle "once a product, always a product".</p>		
<p>The Candidate List is available at: http://echa.europa.eu/sv/candidate-list-table.</p>		

Nanomaterial

<p>Does the product contain any nanomaterial that has been purposefully added to achieve a specific function?</p>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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<i>Information regarding whether nanomaterial has been added to achieve a specific function must be stated, but has no impact on the assessment.</i>		
<i>If yes, specify the material.</i>	Material:	

3. Recycled raw material

Does the product contain recycled material?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<i>If yes, specify in Table 3.</i>		

If the product consists of recycled materials specify the material and the percentages of the total weight of the product, in *Table 3, Recycled materials*.

Table 3, Recycled material

Material	Percentage (%) <i>Recycled material of the total product's weight</i>	Percentage (%) <i>of the recycled material that has not reached the consumer level, such as production waste, etc. (pre-consumer)</i>	Percentage (%) <i>of the recycled material that has reached the consumer level (post-consumer)</i>	Comments

If wood raw material is included

Can the product be ordered with sustainability certificates for the wood raw material? E.g.: FSC and PEFC	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Explain if the certificate does not cover all of the wood raw material:		
<i>If yes, attach a certificate/assurance that the product can be ordered with a sustainability certificate together with the application.</i>		
<i>If no, state the country where the wood raw material was harvested.</i>	Country of harvest:	
Is the wood species or origin in the CITES appendix for endangered species?	<input type="checkbox"/> Yes	<input type="checkbox"/> No

4. The production phase

Has an Environmental Product Declaration (EPD) been prepared?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<i>If yes, enclose the EPD (Environmental Product Declaration) or other environmental product declaration together with the application.</i>		

Has an active choice been made, regarding the electricity supplier, in order to promote electricity production from renewable energy sources?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Describe the type of energy source, percentage of energy stemming from the renewable source, how long the agreement has been applied, electricity supplier, and for which part of the production it is valid for:		

5. Distribution of the completed product

Describe the management of packaging for the distribution of the product <i>State whether any system for taking back or recycling packaging or any other specific return system is used.</i> <i>Specify the packaging material used and which system of producer responsibility for packaging the supplier is affiliated to.</i> <i>Enter the proportion of recycled material, if any, included in the packaging.</i>	Description of the packaging: Cardboard packaging. Membership in fti (Förpacknings- och tidningsinsamlingen) for the collection and recycling of packaging.	
Other information:		

6. Construction and usage phase

Are there any special requirements such as storage conditions etc. for the product during storage?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
<i>If yes, describe:</i>			
Are there any special requirements for adjacent building products because of this product?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
<i>If yes, describe:</i>			
Are there any operating/care instructions for the product?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
<i>If yes, attach the documentation with the application.</i>			
Is the product energy labelled in accordance with the Energy Labelling Directive (2010/30/EU)?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Not relevant
<i>If yes, state class (G to A, A+, A++, A+++):</i>	Class:		

7. Waste management

Does the product require special measures to protect health and the environment in conjunction with demolition/dismantling?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
<i>If yes, describe:</i>			
Is the product covered by the WEEE-directive 2012/19/EU (Swedish ordinance (2014:1075) on Producer Responsibility for electrical and electronic products when it becomes waste?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Is it possible to re-use all or parts of the product? (can the product be reused within the product's expected lifetime)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
<i>If yes, describe:</i>			

Is material recycling possible for all or parts of the product when it becomes waste?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<i>If yes, describe:</i>		
Is energy recycling possible for all or parts of the product when it becomes waste?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Does the supplier have any restrictions and recommendations for reuse, material- or energy recycling or disposal?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<i>If yes, specify which:</i>		
When the supplied product becomes waste, is it classified as hazardous waste?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<i>If yes, specify the waste code:</i> The Swedish waste ordinance (2011:927) https://www.notisum.se/rnp/sls/lag/20110927.htm	Waste code:	

8. Indoor environment

Has the product a critical moisture condition: <i>Information regarding whether critical moisture conditions leading to microbial growth apply for the material/product should be stated, but will not impact the assessment.</i>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<i>If yes, specify which:</i>		
Is the article (or chemical product) intended for indoor use?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<i>If yes, has emission data been produced for volatile organic compounds?</i>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<i>If yes, attach the report/certificate together with the application.</i>		
<i>If no, is there any motivation for why emission data for volatile organic compounds is not relevant for the product?</i>	Motivation: No known emissions; non organic product	