Environmental Product Declaration
IMI Hydronic Engineering

Product information

Product

Product name:	Safety valve DSV 10.0 DGH range	
Article No.:	*Various*	
Product description:	Safety valves	
Type of product:	☐ Chemical product	☑ Article
Date (year, month, day) of preparation/revision:	2019.02.19	

Supplier/Manufacturer

Supplier:	IMI Hydronic Engineering
Supplier contact:	IMI Hydronic Engineering Olkusz
Address:	32-300 Olkusz, Olewin 50 A k/Krakowa, woj. małopolskie
Phone number:	(32) 75 88 200

Supporting documentation

Has a declaration of performance, in line with the Swedish Construction Products Regulation, been prepared for the product?	☐ Yes	☑ No
If yes, attach the declaration of performance with the application		
Is the article/product an electronic product and covered by the RoHS-directive (2011/65/EU)?	☑ Yes	☐ No
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		
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, day) when the exemption expires if time-limited:	Exemptions according to RoHS: Date:	

Engineering GREAT Solutions

Environmental Product Declaration
IMI Hydronic Engineering

Declaration of contents:

Does the product or any of its subcomponents, if it is a composite product, 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%?	☐ Yes	☑ No
If yes, specify which substances in Table 1.		
State the date (year, month, day) for control the Candidate List.	Date:	
The concentration is calculated at component level established on the principle "once a product, always a product" principle. The Candidate List is available at: http://echa.europa.eu/sv/candidate-list-table.		

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)

Component	Material	Weight [%] *(of substance in subcomponent)*
Body and spring housing	Cast iron 0.7043	100%
Valve seat	Stainless steel 1.4408	100%
Internal parts	Stainless steel 1.4404	100%
Spring	Stainless steel 1.4310	100%
Bellows	Stainless steel 1.4571	100%
Packaging	Carton	100%

Are all substances reported in percentages down to 0.01% in Table 1? *(enable assessment with regard to the Recommended level)*	☑ Yes	☐ No
If not, does the report fulfill the instructions for the Accepted level, which is described in "Declaration of contents, BVB's declaration requirements, 2016-1" , which is found at the end of this document	☐ Yes	☐ No
If any deviations from BVB's reporting requirements exist, specify these in the comments in Table 1, or alternatively here.	Other comments:	

If the chemical composition differs after application, then the content of the applied product is given in Table 2. This applies to chemical products. If the content is unchanged, no information needs to be provided in the table.

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)*

If any deviations from BVB's reporting requirements exist, specify these in the comments in Table 2, or alternatively here.	Other comments:

Nanomaterial

Does the product contain any nanomaterial that has been purposefully added to achieve a specific function? *Information regarding whether nanomaterial has been added to achieve a specific function must be stated, but has no impact on the assessment.*	☐ Yes	☑ No

Recycled raw material

Does the product contain recycled material?	☐ Yes	☑ No
If yes, fill in Table 3.		

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 (%) *of the total product's weight*	Percentage (%) *of the recycled material that has not reached the consumer level, such as production waste, etc. (pre-consumer)*	Percentage (%) *of the recycled material that has reached the consumer level (post-consumer)*	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*	☐ Yes	☑ No
Explain if the certificate does not cover all of the wood raw material:		
If yes, attach a certificate/assurance that the product can be ordered with a sustainability certificate together with the application.		
If no, state the country where the wood raw material was harvested.	Country of harvest:	
Is the wood species or origin in the CITES appendix for endangered species?	☐ Yes	☐ No

The production phase

Has an Environmental Product Declaration (EPD) been prepared?	☑ Yes	☐ No
If yes, enclose the EPD (Environmental Product Declaration) or other environmental product declaration together with the application.		

Distribution of the completed product

Describe the management of packaging for the distribution of the product *State whether any system for taking back or recycling packaging or any other specific return system is used.* *Specify the packaging material used and which system of producer responsibility for packaging the supplier is affiliated to.* *Enter the proportion of recycled material, if any, included in the packaging.*	Description of the packaging: Cardboard box
Other information:	

Construction and usage phase

Are there any special requirements such as storage conditions etc. for the product during storage?	☐ Yes	☑ No
If yes, describe:		

Are there any special requirements for adjacent building products because of this product?	☐ Yes	☑ No	
If yes, describe:			
Are there any operating/care instructions for the product?	☑ Yes	☐ No	
If yes, attach the documentation with the application.			
Is the product energy labelled in accordance with the Energy Labelling Directive (2010/30/EU)?	☐ Yes	☐ No	☑ Not relevant
If yes, state class (G to A, A+, A++, A+++):	Class:		

Waste management

Does the product require special measures to protect health and the environment in conjunction with demolition/dismantling?	☐ Yes	☑ No
If yes, describe:		
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?	☐ Yes	☑ No
Is it possible to re-use all or parts of the product? (can the product be reused within the product's expected lifetime)?	☐ Yes	☐ No
If yes, describe:		
Is material recycling possible for all or parts of the product when it becomes waste?	☐ Yes	☑ No
If yes, describe:		
Is energy recycling possible for all or parts of the product when it becomes waste?	☐ Yes	☑ No
Does the supplier have any restrictions and recommendations for reuse, material- or energy recycling or disposal?	☐ Yes	☑ No

If yes, specify which:		
When the supplied product becomes waste, is it classified as hazardous waste?	☐ Yes	☑ No
If yes, specify the waste code: The Swedish waste ordinance (2011:927) https://www.notisum.se/rnp/sls/lag/20110927.htm	Waste code:	

Indoor environment

Has the product a critical moisture condition: *Information regarding whether critical moisture conditions leading to microbial growth apply for the material/product should be stated, but will not impact the assessment.*	☐ Yes	☑ No
If yes, specify which:		
Is the product intended for use indoors?	☐ Yes	☐ No
If yes, has emission data been produced for volatile organic compounds?	☐ Yes	☐ No
If yes, attach the report/certificate together with the application.		
If no, is there any motivation for why emission data for volatile organic compounds is not relevant for the product?	Motivation:	
Is the product a chemical product intended for indoor use?	☐ Yes	☑ No
If yes, has emission data been produced for volatile organic compounds?	☐ Yes	☐ No
If yes, attach the report/certificate together with the application.		
If no, is there any motivation for why emission data for volatile organic compounds is not relevant for the product?	Motivation:	

Certificate of substance content and concentrations version. 4.0

This certificate is required for the Recommended assessment level for chemical contents. This page should be printed to be signed and uploaded separately in PDF-format in connection with the application.

Certificate of declaration of substance content

For the products specified below, with their stated article numbers, the following is certified: *Choose whether to certify alternative A or B.*	
A ☑	It is hereby certified that concentrations of the included substances **down to 0.01 weight%** have been reported, and that cadmium and mercury do not occur in the product. or: The substances included are reported in line with the instructions for the Declaration of Contents, BVB's reporting requirements 2016-1, and correspond to the reporting requirements for the **Recommended** level.
B ☐	It is hereby certified that concentrations of the included substances **down to 0.1 weight%** have been reported, and that cadmium and mercury do not occur in the product. or: The substances included are reported in line with the instructions for the Declaration of Contents, BVB's reporting requirements 2016-1, and correspond to the reporting requirements for the **Accepted** level.
For the products specified below, with their stated article numbers, the following is certified: *Choose whether to certify alternative C or D.*	
C ☐	It is hereby certified that the specified product/s do not contain specifically indicated substances and groups of substances in accordance with Table 4, Specifically indicated substances. These have not been added during production and have not been formed through reactions between the substances in the product.
D ☐	Unfortunately, we have to notify that the specified products contain specifically indicated substances in accordance with Table 4, Specifically indicated substances. Some of these substances have been added or been formed during reaction between the substances in the product, please see the Declaration of Contents.

Table 4, Specifically indicated substances

Substance group/Substance	Examples of properties
1. Arsenic and its compounds[1]	Toxic, Environmentally hazardous
2. Brominated flame retardants	Potentially PBT/vPvB, PBT/vPvB
3. PFOA (perfluorooctanioic acid)	Persistent, bioaccumulative, probable reproductive toxicity
4. PFOS (perfluorooctanesulfonates)	Potentially PBT/vPvB, PBT/vPvB
5. Organotin compounds	Potentially PBT/vPvB, PBT/vPvB, Toxic, Environmentally hazardous
6. Biocidal product applied on products (surface treatments) to provide a disinfectant or anti-bacterial effect.	Toxic, Environmentally hazardous

Product identification: *(designation and article number)*	Safety valve DSV 10.0 DGH range
State reference (name and version/date) that contains the actual Declaration of Contents:	BOMs as per 19.02.2019
Person responsible for making declaration:	i.A. Sebastian Schweers R&D Manager P&WQ
Signature:	
Place and date (year, month, day):	Füllinsdorf, 19.02.2019

[1] Arsenic, or arsenic compounds, are not permitted to be added to the product. Contamination of used raw materials is not permitted to exceed 10 mg/kg. The concentration limit is set based on regulatory requirements for soil quality to ensure that accepted products do not raise background concentrations through their use or disposal (for example; sludge from sewage treatment works Swedish Ordinance 1998:944, Section 20). The same concentration limits are found in the Swedish Environmental Protection Agency's general guidelines for less sensitive land use (MKM).