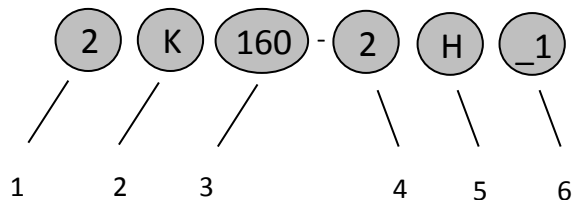


**Material Declaration of Burckhardt Compression AG
 Compressors for the Shipyards to prepare the Green Passport:
 "Inventory of Potentially Hazardous Materials On Board"
 (according to IMO Resolution A.962(23))
 for the Shipyards to prepare the Green Passport:
 "Inventory of Potentially Hazardous Materials On Board"**

Laby® - Labyrinth Piston Compressor

TYPE

2K160-2H_1


- 1 Number of cranks
- 2 Typ of compression
- 3 Piston stroke
- 4 Number of stages
- 5 Design of cylinder
- 6 Revision index

Material Declaration
(MD)
PAGE 2
Supplier's Declaration of Conformity
(SDoC)
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(MD and SDoC according to IMO Resolution MEPC.197(62))

Note: For materials in tables A and B with no threshold level, quantities occurring as unintentional trace contaminants should not be listed in Material Declaration.

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Material Declaration (MD)

<Date of declaration>

Date	16-May-19
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<MD ID number>

MD-ID-No.	MD - 1014280
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<Supplier (respondent) information>

Company name	Burckhardt Compression AG
Division name	-
Address	Franz-Burckhardt-Strasse 5, 8404 Winterthur, Switzerland
Contact person	Michael Bernhard
Telephone number	++41 52 262 52 72
FAX number	++41 52 262 04 13
E-mail address	michael.bernhard@burckhardtcompression.com
SDoC ID no.	SD - 1014280

<Other information>

Remark 1	
Remark 2	
Remark 3	

<Product information>

Product name	Product number	Delivered unit		Product information
		Amount	Unit	
BCA Labyrinth Compressor	2K160-2H_1	>1	piece	6000 kg / piece

<Materials information>

This materials information shows the amount of hazardous materials contained in

1	Unit piece
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(unit: piece, kg, m, m2, m3, etc) of the product.

Table	Material name		Threshold level	Present above threshold level	If yes, material mass		If yes, information on where it is used
				Yes / No	Mass	Unit	
Table A (materials listed in appendix 1 of the Convention)	Asbestos	Asbestos	0.1% *	No			
	Polychlorinated biphenyls (PCB)	Polychlorinated biphenyls (PCBs)	50 mg/kg	No			
	Ozone depleting substances	Chlorofluorocarbons (CFCs)	no threshold level	No			
		Halons		No			
		Other fully halogenated CFCs		No			
		Carbon Tetrachloride		No			
		1,1,1-Trichloroethane		No			
		Hydrochlorofluorocarbons		No			
		Hydrobromofluorocarbons		No			
	Anti-fouling systems containing organotin compounds as a biocide	e.g. Tributyltin (TBT)	2,500 mg total tin/kg	No			
e.g. Triphenyl tins (TPTs)							
e.g. Tributyltin oxide (TBTO)							
EU SRR **	Perfluorooctane sulfonic acid (PFOS)	No threshold value					

Table	Material name		Threshold level	present above threshold level	If yes, material mass		If yes, information on where it is used
				Yes / No	Mass	Unit	
Table B (materials listed in appendix 2 of the Convention)	Cadmium and cadmium compounds		100 mg/kg	No			
	Hexavalent chromium and hexavalent chromium compounds		1,000 mg/kg	No			
	Lead and lead compounds		1,000 mg/kg	No			
	Mercury and mercury compounds		1,000 mg/kg	No			
	Polybrominated biphenyl (PBBs)		50 mg/kg	No			
	Polybrominated diphenyl ethers (PBDEs)		1,000 mg/kg	No			
	Polychloronaphthalenes (more than 3 chlorine atoms)		50 mg/kg	No			
	Radioactive substances		no threshold level	No			
EU SRR **	Certain shortchain chlorinated paraffins		1%	No			
	Brominated flame retardant (HBCDD)		No threshold value				

* In accordance with regulation 4 of the IMO Hong Kong Convention, for all ships, new installation of materials which contain asbestos shall be prohibited. According to the UN recommendation "Globally Harmonized System of Classification and Labelling of Chemicals (GHS)" adopted by the United Nations Economic and Social Council's Sub-Committee of Experts on the Globally Harmonized System of Classification and Labelling of Chemicals (UNSCGHS), the UN's Sub-Committee of Experts, in 2002 (published in 2003), carcinogenic mixtures classified as Category 1A (including asbestos mixtures) under the GHS are required to be labelled as carcinogenic if the ratio is more than 0.1%. However, if 1% is applied, this threshold value should be recorded in the Inventory and, if available, the Material Declaration and can be applied not later than five years after the entry into force of the Convention. The threshold value of 0.1% need not be retroactively applied to those Inventories and declarations.

** Additional materials to be listed, in accordance with Annex I and Annex II of the European Union Ship Recycling Regulation (Regulation (EU) No 1257/2013).

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Supplier's Declaration of Conformity for Material Declaration Management

(according to IMO Resolution MEPC.197(62))

- 1) Identification number: SD - 1014280
- 2) Issuer's name: Burckhardt Compression AG (BCAG)
 Issuer's address: Franz-Burckhardt-Strasse 5
8404 Winterthur, Switzerland
- 3) Object(s) of declaration: Laby® Compressor Type 2K160-2H_1 D

- 4) The object(s) of the declaration described above is in conformity with the following documents

Document No.:	Title:	Edition/date of issue
---------------	--------	-----------------------

- | | | | |
|------------|---|---|------------|
| 5) HBCA001 | Quality Manual - BC Group acc. ISO 9001:2015 | N | 15.08.2018 |
| EOHSD001 | EOHS Manual - BC Group acc. ISO14001:2015 / OHSAS18001:2007 | - | 31.07.2018 |

- 6) Additional information : _____

Signed for and on behalf of:
Burckhardt Compression AG

16. Mai 19

(Place and date of issue)

David Haueter

- 7) Quality Manager Compressor

(Name, function)



(Signature)

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