



# RoHS, TSCA, REACH, MECP, and CA PROP 65 CERTIFICATE OF COMPLIANCE

International Hydraulics Inc. D.B.A.: **IHI Connectors**

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### **Declaration of Conformity to EU RoHS**

Products listed below that are manufactured by International Hydraulics Inc (IHI) are in compliance with The European RoHS Directive 2015/863/EU (RoHS 2 AMENDED, prematurely misnamed RoHS 3\*\*), which restricts the following substances in electrical and electronic equipment. In addition, this declaration of conformity is issued under the sole responsibility of International Hydraulics Inc. IHI does not use any of the Restricted Substances as components in its mechanical wire termination products except in some listed products that include permitted levels of lead (Pb) under the exemption Annex paragraph 6(a)-I,(b)-I,(c).

Lead (Pb) Exemption 6 free machining alloys for only parts listed “9 of 10”

- Steel Alloys 0.35% by weight maximum
- Copper Alloys 4% by weight maximum
- Aluminum alloys 0.4% by weight maximum

Specifically, mechanical wire termination products manufactured do not contain the substances listed below in concentrations greater than the listed maximum value.

Substance	Maximum Limit (ppm)
Lead (Pb)	1000
Cadmium (Cd)	100
Mercury (Hg)	100
Hexavalent Chromium (Cr6+)	1000
Poly Brominated Biphenyls (PBB)	1000
Poly Brominated Diphenyl ethers (PBDE)	1000
Bis(2-Ethylhexyl) phthalate (DEHP)	1000
Benzyl butyl phthalate (BBP)	1000
Dibutyl phthalate (DBP)	1000
Diisobutyl phthalate (DIBP)	1000

\*\* RoHS 2 is in effect as of 2011. Amendments to RoHS 2 as recent as 2017 are sometimes referred to as RoHS 3, but that is not accurate. There have been many amendments to RoHS, both 1 and 2, over the years, including exemption changes, date changes, etc, but Amending Directive 2015/863 made a substantial change by adding the 4 new restricted substances. Amending Directive 2015/863 is still considered a revision of RoHS 2. The European Commission is currently reviewing RoHS 2

as part of their statutory requirement to determine coherence and efficacy and a "RoHS 3" is expected to be announced in 2022.

Products do not contain Deca Brominated Diphenyl Ether (Deca BDE) legislated under the provisions of the European Commission Decision of 13 October 2005 (2005/717/EC), and do not contain as intentional additives Perfluorooctylsulfonates (PFOS) legislated under the provisions of the European Parliament and Council Directive 2006/122/EC (30th amendment to EU Directive 76/769/EEC).

#### **TSCA Section 6**

Products do not contain asbestos, lead-based paint, polychlorinated biphenyls (PCBs), dioxins, chlorofluorocarbons (CFCs), metallic mercury, formaldehyde, nitrites, or hexavalent chromium compounds as legislated under Section 6 of the Toxic Substances Control Act (TSCA). Additionally, products do not contain phenol, isopropylated phosphate (3:1) (PIP (3:1); decabromodiphenyl ether (DecaBDE); 2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP); hexachlorobutadiene (HCBd); or pentachlorothiophenol (PCTP) as legislated under Section 6(h) of the TSCA. IHI does not manufacture, process, or distribute these Persistent, Bioaccumulative, and Toxic (PBT) chemicals.

#### **TSCA Section 8(a)(7)**

Products do not contain any PFAS chemicals as legislated under Section 8(a)(7) of the Toxic Substances Control Act (TSCA). IHI does not manufacture, process, or distribute these per- and polyfluoroalkyl substances (PFAS), as defined by the United States Environmental Protection Agency.

#### **REACH**

It is hereby certified that IHI complies with the Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration Evaluation Authorization and Restriction of Chemicals (REACH) Directives to this extent: IHI is a manufacturer of articles. Article means "an object which during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition." IHI has taken the initiative to review itself and its suppliers for the (235) substances that are under consideration for treatment as Substances of Very High Concern (SVHC) candidates.

IHI has confirmed to the best of its belief, that its products do not contain any of the listed substances in concentration >0.1% weight per supplied article, substance or preparation weight products, except in some listed products that include lead (Pb) in percent weight no greater than as allowed under RoHS exemption Annex paragraph 6(a)-I,(b)-I,(c) of the EU RoHS directive listed above. The declaration of which meets the requirements for substances in articles per the Guidance on requirements for substances in articles Version 4.0 – June 2017.

We declare that the information provided is true and complete to the best of our knowledge and that articles or preparations we provide that have at least one SVHC over the threshold level on the substance listed in the SVHC Candidate List of REACH are compliant with the restrictions on substances listed in Annex XIV and Annex XVII of REACH.

<b>Substance Name</b>	<b>CAS #</b>	<b>EC#/Index #</b>	<b>ECHA Candidate List Date</b>	<b>&gt;0.1wt% in Article (Yes/No)</b>
Lead	7439-92-1	231-100-4	27/06/2018	Yes
Screws in parts listed as " <a href="#">Exempted Lead RoHS 9/10, REACH, &amp; CA Prop 65 (MECP Lead above Threshold) Compliant</a> " on the <a href="#">List of products that are RoHS, REACH, and CA Prop 65 compliant</a> provided with this document, contain lead above the 0.1% by weight threshold. See list for details or exceptions.				

## China RoHS

IHI understands that the Environment Friendly Use Period (EFUP) shall be determined by the product producer or entity placing the product into the marketplace of the Electronic Information Products (EIP). As such, IHI does not define the EFUP for any of its components. Per requirement, the necessary hazardous material content of our components has been indicated in the following tables in order to help downstream users determine the EFUP for their final products.

### China RoHS Lead Free

Applies to all parts labeled "[RoHS 10/10, REACH, & CA Prop 65 \(MECP below Threshold\)](#)" in the above Tables

#### IHI TERMINAL WITH COLD FORMED SCREW OR STAINLESS STEEL SCREW

有害物質符号:

公开有害物質情报

Part Name	物質 Toxic or hazardous Substances and Elements					
	鉛 Pb	汞 Hg	鎘 Cd	六價鉻 Cr6+	聯苯 PBB	多溴二苯醚 PBDE
BODY	○	○	○	○	○	○
PLATING	○	○	○	○	○	○
SCREW	○	○	○	○	○	○
PLATING	○	○	○	○	○	○

### China RoHS Contains Lead

Applies to all parts labeled "[Exempted Lead RoHS 9/10, REACH, & CA Prop 65 \(MECP Lead above Threshold\) Compliant](#)" in the above Tables

#### IHI TERMINAL WITH MACHINED SCREW (FREE MACHINING STOCK)

有害物質符号:

公开有害物質情报

Part Name	Toxic or hazardous Substances and Elements					
	鉛 Pb	汞 Hg	鎘 Cd	六價鉻 Cr6+	聯苯 PBB	多溴二苯醚 PBDE
BODY	○	○	○	○	○	○
PLATING	○	○	○	○	○	○
SCREW	X	○	○	○	○	○
PLATING	○	○	○	○	○	○

## MECP Guidelines for the Development of the Inventory of Hazardous Materials

Based on supplier information, certificates and testing, it is hereby declared that IHI, to the best of its belief, complies with the Marine Environment Protection Committee’s resolution MEPC.269(68) 2015 guidelines for the development of the inventory of hazardous materials to this extent: IHI products do not contain any of the listed substances in Tables A (appendix 1) and Table B (appendix 2) of the Annex to the Convention except in some listed products that include lead (Pb). Screws in parts listed as [“Exempted Lead RoHS 9/10, REACH, & CA Prop 65 \(MECP Lead above Threshold\) Compliant”](#) on the List of products that are RoHS , REACH, and CA Prop 65 compliant provided with this document, contain lead above the threshold.

**Table A – Materials listed in appendix 1 of the Annex to the Convention**

No.	Materials	Threshold value
A-1	Asbestos	0.1% <sup>4</sup>
A-2	Polychlorinated biphenyls (PCBs)	50 mg/kg <sup>5</sup>
A-3	CFCs	no threshold value <sup>6</sup>
	Halons	
	Other fully halogenated CFCs	
	Carbon tetrachloride	
	1,1,1-Trichloroethane (Methyl chloroform)	
	Hydrochlorofluorocarbons	
	Hydrobromofluorocarbons	
	Methyl bromide	
Bromochloromethane		
A-4	Anti-fouling systems containing organotin compounds as a biocide	2,500 mg total tin/kg <sup>7</sup>

**Table B – Materials listed in appendix 2 of the Annex to the Convention**

No.	Materials	Threshold value
B-1	Cadmium and cadmium compounds	100 mg/kg <sup>8</sup>
B-2	Hexavalent chromium and hexavalent chromium compounds	1,000 mg/kg <sup>8</sup>
B-3	Lead and lead compounds	1,000 mg/kg <sup>8</sup>
B-4	Mercury and mercury compounds	1,000 mg/kg <sup>8</sup>
B-5	Polybrominated biphenyl (PBBs)	50 mg/kg <sup>9</sup>
B-6	Polybrominated diphenyl ethers (PBDEs)	1,000 mg/kg <sup>8</sup>
B-7	Polychlorinated naphthalenes (more than 3 chlorine atoms)	50mg/kg <sup>10</sup>
B-8	Radioactive substances	no threshold value <sup>11</sup>
B-9	Certain shortchain chlorinated paraffins (Alkanes, C10-C13, chloro)	1% <sup>12</sup>

## California Proposition 65 Statement

WARNING: Products listed as "[Exempted Lead RoHS 9/10, REACH, & CA Prop 65 \(MECP Lead above Threshold\) Compliant](#)" can expose you to chemicals including lead, which is known to cause cancer, birth defects, or other reproductive harm. For more information go to [p65warnings.ca.gov](http://p65warnings.ca.gov)

Proposition 65 is a California law that has been in effect since 1986 to promote clean drinking water and to require businesses to provide a clear and reasonable warning before exposing individuals to consumer products containing chemicals known to the state to cause cancer, birth defects, or other reproductive harm. Proposition 65's formal title is "the safe drinking water and toxic enforcement act of 1986." It is administered by the CAL/EPA's office of environmental health hazard assessment (OEHHA).

The law requires that no person in the course of doing business shall knowingly and intentionally expose an individual to a chemical known to the state of California to cause cancer or reproductive toxicity without first giving a clear and reasonable warning. An official list of these substances is published and periodically updated by OEHHA. The list can be accessed at:

<https://oehha.ca.gov/proposition-65/proposition-65-list>.

IHI has confirmed to the best of its belief, that products listed on "**RoHS 10/10, REACH, & CA Prop 65 (MECP below Threshold) Compliant**" do not contain any chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

IHI has confirmed to the best of its belief, that products listed on "**Exempted Lead RoHS 9/10, REACH, & CA Prop 65 (MECP Lead above Threshold) Compliant**" contain lead, which is known to cause cancer, birth defects, or other reproductive harm.

Due to the presence of lead in certain aluminum, copper, and steel alloys, IHI Connectors provides product labels on the affected items that include the following warning:

WARNING: This product can expose you to chemicals including lead, which is known to cause cancer, birth defects, or other reproductive harm. For more information go to [p65warnings.ca.gov](http://p65warnings.ca.gov)

### Certificate of Conformance

**IHI further certifies that the parts shipped are made in conformance with materials and processes shown in the IHI sales catalog drawing provided to the customer at the time of order.**

**IHI accepts no duty to update this declaration, or to notify users of this declaration of updates or changes to this declaration. IHI shall not be liable for any damages, direct or indirect, consequential or otherwise, suffered by users or third parties as a result of the user's reliance on information in this declaration that has been updated or changed.**

**For International Hydraulics Inc. D.B.A. IHI Connectors,**



**Quality Team  
International Hydraulics Inc. D.B.A. IHI Connectors**

**List of products that are 9/10 RoHS , REACH, and CA Prop 65 compliant:**

<b>Exempted Lead RoHS 9/10, REACH, &amp; CA Prop 65 (MECP Lead above Threshold) Compliant</b> RoHS Annex paragraph 6(a)-l,(b)-l,(c) (Article, Lead Concentration)	
<b>S Range</b>	<b>B Range</b>
S1/0 (Screw only, 0.4%)	B1/0-NM-14225 (Screw only, 0.4%)
S1/0-34-41 (Screw only, 0.4%)	B4B-B (Screw only, 4%)
S1/0-TP (Screw only, 0.4%)	B4B-PCB-B (Screw only, 4%)
S1/0-TP2-W (Screw only, 0.4%)	B300 (Screw only, 0.4%)
S2/0 (Screw only, 0.4%)	B300-PCB (Screw only, 0.4%)
S2/0-34-44 (Screw only, 0.4%)	
S2/0-TP-27-44 (Screw only, 0.4%)	
S2/0-TP-W-44-49 (Screw only, 0.4%)	
<b>2S,3S,xS Range</b>	<b>Screws</b>
2S1/0 (2 Screws only, 0.4%)	11181 (Screw, 0.4%)
2S2/0 (2 Screws only, 0.4%)	11489 (Screw, 0.35 %)
2S2/0-31-42 (2 Screws only, 0.4%)	12786 (Screw, 0.35%)
2S2/0-33-44 (2 Screws only, 0.4%)	13562 (Screw, 0.4%)
2S2/0-TP-STK-34-49 (2 Screws only, 0.4%)	14224 (Screw, 0.4%)
2S2/0-TP-STK-BLANK-SLT (2 Screws only, 0.4%)	14225 (Screw, 0.4%)
2LS500-TP-41-59 (2 Screws only, 0.4%)	116-01 (Screw, 0.4%)
2LS500-41-75 (2 Screws only, 0.4%)	

**List of products that are 10/10 RoHS , REACH, and CA Prop 65 compliant on next page**

**List of products that are 10/10 RoHS , REACH, and CA Prop 65 compliant:**

RoHS 10/10, REACH, & CA Prop 65 (MECP below Threshold) Compliant			
S Range	S Range Continued	2S,3S,xS Range Continued	P Range
S6	S300	2S2/0-33-44-HEX	P4
S6-203	S300-12.8-24.5-M	2S2/0-33-44-HEX-M	P4-HEX
S6-KIT	S300-26-44-M	2S2/0-TP-STK-34-49-HEX	P4-SMT
S6W	S300-41-44	2S2/0-TP-STK-BLANK-HEX	P2
S4	S300-41-44-M	2S2/0-TP-STK2-44-50-HEX	P2-HEX
S2	S300-PCB	2S2/0-TP-STK3-M8-53-HEX	P2/0
S2-10850	S300-T-26-26-M	2S2/0-TP-STK3-M10-53-HEX	P250
S2-13627	S300-TP-34-51	2S250	P250-2S
S2-171	S300-TP-W-44-49	2S250-M	P300
S2-171-HEX	S350	2S350	P500
S2-171-13627	S350-41-50	2S350-T	2P500
S2-HEX	S350-53-50	2S500-53-63	<b>Screws</b>
S2-TP	S350-TP-34-51	2S600-53-63	10850
S2-TP-HEX	S350-TP-41-59	2S600-53-63-M	11703
S2-TP-10850	S350-PCB	2S600TP	11703-M
S2-TP-13627	S500-12.8-32-M	2S600TP-M	11939
S1/0-31-41-HEX-M	S500-41-107	3S6-2S4-HEX	11941
S1/0-HEX	S500-41-63	3S6-2S4-HEX-M	11941-M
S1/0-HEX-M	S500-41-63-M	3S4-3-21-28-HEX	11941-HEX-375
S1/0-TP2-W-HEX	S500-53-63	3S250TP	11941-L
S1/0-TP-HEX	S600-41-63	3S250-53-81	13475
S2/0-HEX	S600-41-63-M	S2-NB-2	13571
S2/0-HEX-M	S600-53-63	S2-NB-2-HEX	13627
S2/0-34-44-HEX	S600-53-63-SE	4S2-HEX	13695
S2/0-34-44-HEX-M	S600-53-63-M	4S2-N-21-2	14141
S2/0-TP-27-44-HEX	S750-53-63	4S2-10850	14141-M
S2/0-TP-27-44-HEX-M	S750-66-63	4S2-13627	14224CF
S2-0-TP-34-51-HEX		4S350-56-88	14225CF
S2/0-TPEX-36-49-HEX	<b>2S,3S,xS Range</b>	6S2-HEX	14236
S2/0-TPEX-44-53-HEX	2S2	6S2-10850	14237
S2/0-TP-W2-36-49-HEX	2S2-10850	6S2-13627	14237-M
S2/0-TP-W-44-49-HEX	2S2-13627	6S4-3-21-28-HEX	14240
S250	2S2-HEX	6S2-STK-21-19	14241
S250-10.2-20-M	2S1/0-HEX	S350-KIT	15717
S250-41-44	2S1/0-HEX-M	24S4-3	15718
S250-41-44-M	2S2/0-HEX	24S4-3-S350-KIT	
S250-PCB	2S2/0-HEX-M	36S4-3	
	2S2/0-31-42-HEX	36S4-3-S350-KIT	
	2S2/0-31-42-HEX-M		

**List of products that are 10/10 RoHS , REACH, and CA Prop 65 compliant continued on next page**

**List of products that are 10/10 RoHS , REACH, and CA Prop 65 compliant continued:**

<b>RoHS 10/10, REACH, &amp; CA Prop 65 (MECP below Threshold) Compliant</b>		
<b>B Range</b>	<b>B Range Continued</b>	<b>B Range Continued</b>
B1/0	B2A9-PCB-45-150-HEX	B6A-PCB-NH-28
B1/0-PCB	B2A9-PCB-45-175	B6A-PCB
B1/0-PCB-L	B2A9-PCB-45-175-HEX	B6A-PCB-2RLM
B10-PCB	B2A9-PCB-HEX	B6A-PCB-2RLM-KIT
B10-PCB-HEX	B2B	B6A-PCB-RLM-12W-KIT
B10-PCB-NS	B2C	B6A-PCB-45
B10-PCB-RLM	B2C-HEX	B6A-PCB-45-HEX
B10-PCB-RLM-G-KIT	B2C-PCB	B6A-PCB-45-RS
B10-PCB-RLM-KIT	B2C-PCB-45	B6A-PCB-45-RLM-KIT
B12	B2C-PCB-45-150	B6A-PCB-45-RLM-12W-KIT
B12-HEX	B2C-PCB-45-150-HEX	B6A-PCB-HEX
B12-PCB	B2C-PCB-45-150-SS	B6A-PCB-HEX-M
B12-PCB24-NM-HEX	B2C-PCB-45-175	B6A-PCB-RLM
B12-PCB-NM-HEX	B2C-PCB-45-175-HEX	B6A-PCB-RLM-KIT
B12-PCB-S	B2C-PCB-45-175-SS	B6A-PCB-RS
B12-NM-SMT	B2C-PCB-45-HEX	B6A-PCB-RS-NS
B12-NM-SMT-RLM-KIT	B2C-PCB-45-SS	B6A-PCB-SS
B2A	B2C-PCB-HEX	B6B-PCB
B2A-NM-PCB-BUSMOUNT-HEX-KIT	B2C-PCB-SMT	B6B
B2A-2PCB	B2C-PCB-SMT-HEX	
B2A-HEX	B2C-PCB-SMT-SS	<b>Misc.</b>
B2A-2PCB-HEX	B2C-PCB-SS	14307
B2A-2PCB-SLT-HEX	B2C-SS	14307-40
B2A-PCB	B2/0-PCB	14257
B2A-PCB-45	B2/0	14257-45
B2A-PCB-45-150	B2/0-M	14257-45-150
B2A-PCB-45-150-HEX	B4A-PCB	14257-45-175
B2A-PCB-45-150-SS	B4A-PCB-2RLM-KIT	14259
B2A-PCB-45-175	B4A-PCB-45	14259-L
B2A-PCB-45-175-HEX	B4A-PCB-45-HEX	15810
B2A-PCB-45-175-SS	B4A-PCB-45-NS	15812
B2A-PCB-45-HEX	B4A-PCB-45-RLM	15721
B2A-PCB-HEX	B4A-PCB-45-RLM-KIT	15722
B2A-PCB-SMT	B4A-PCB-45-RLM-12W-KIT	15723
B2A-PCB-SMT-HEX	B4A-PCB-45-RS	PT-SHUNT/PT2567
B2A-PCB-SMT-SS	B4A-PCB-HEX	4444
B2A-PCB-SS	B4A-PCB-HEX-M	7006
B2A9	B4A-PCB-NS	SMT-TIEMOUNT
B2A9-HEX	B4A-PCB-RLM-KIT	T2/0
B2A9-2PCB	B4A-PCB-RLM-12W-KIT	T2/0 (1.03)
B2A9-2PCB-HEX	B4A-PCB-RS	T2/0-125
B2A9-PCB-45	B6A-NH-PCB-RS-NS	T2/0A-125
B2A9-PCB-45-HEX	B6A-NH-PCB-RLM-KIT	12OD-RLM-HARDWARE-KIT
B2A9-PCB-45-150	B6A-NH-PCB-RLM-12W-KIT	625OD-RLM-HARDWARE-KIT