



THE EDGE OF INNOVATION

January 2018

To: **Whom It May Concern**

Re: **Estron Chemical Inc. Chemical Products and EU Directive 2002/95/EC (RoHS) Requirements**

EU Directive 2002/95/EC states that lead (**Pb**), mercury (**Hg**), cadmium (**Cd**), hexavalent chromium (**Cr<sup>+6</sup>**), polybrominated biphenyls (**PBB**) and polybrominated diphenyl ethers (**PBDE**), bis-(2-ethylhexyl) phthalate (**DEHP**), butyl benzyl phthalate (**BBP**), dibutyl phthalate (**DBP**), and diisobutyl phthalate (**DIBP**) shall be banned from electrical or electronic equipment. The limits are 0.1% by weight for **Pb, Hg, Cr<sup>+6</sup>, PBB, PBDE** and 0.01% for **Cd**.

The Estron Chemical, Inc. chemical products listed below do not contain **Pb, Hg, Cr<sup>+6</sup>, PBB, PBDE, DEHP, BBP, DBP, DIBP** in amounts greater than 0.1% (1000 ppm) by weight or **Cd** in amounts greater than 0.01% (100 ppm) by weight. Estron Chemical, Inc. does not intentionally add any of these substances to its chemical products.

**Product: ESCAT 22, ESCAT 50, ESCAT 60, ESCAT 110**

<b>Banned Material</b>		<b>Amount (ppm)</b>
Cadmium	( <b>Cd</b> )	<0.50
Hexavalent Chromium	( <b>Cr<sup>+6</sup></b> )	<0.040
Mercury	( <b>Hg</b> )	<0.50
Lead	( <b>Pb</b> )	<0.50
Polybrominated Biphenyls	( <b>PBB</b> )	None
Polybrominated Diphenyl Ethers	( <b>PBDE</b> )	None
Bis-(2-ethylhexyl) phthalate	( <b>DEHP</b> )	None
Butyl benzyl phthalate	( <b>BBP</b> )	None
Diisobutyl phthalate	( <b>DIBP</b> )	None
Dibutyl phthalate	( <b>DBP</b> )	None

As a representative of Estron Chemical, Inc., I hereby state that, to the best of my knowledge, the above listed chemical product complies with the RoHS maximum allowable concentrations.

Signed:

Robert A. Auerbach, PhD  
Regulatory Affairs & Polymer Science  
**Estron Chemical, Inc.**

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