



THE EDGE OF INNOVATION

July 2017

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⁺⁶**), 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⁺⁶, PBB, PBDE** and 0.01% for **Cd**.

The Estron Chemical, Inc. chemical products listed below do not contain **Pb, Hg, Cr⁺⁶, 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

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