

**HEAVY METAL STATE LEGAL LIMITS FOR GLASS AND CERAMIC DECORATORS**  
**November 1, 2004 (replaces earlier version)**

STATE STANDARDS	FLATWARE	SMALL HOLLOW	LARGE HOLLOW	CUPS MUGS	PITCHERS	FOOD CONTAINER	RESTRICTIONS
STATE TOXICS IN PACKAGING LEGISLATION						Glass Ceramic Packaging	Bans the intentional addition of: Lead, Cadmium, Mercury, and Hexavalent Chromium. States affected: CA, CT, FL, GA, IA, IL, ME, MD, MO, MN, NH, NJ, NY, PA, RI, VA, VT, WA, WI. Legislation varies by state. Please consult with SGCD for specific restrictions. Model bill, IL and MO have permanent exemption for glass/ceramic packaging that passes TCLP test for Pb, Cd and Hexavalent Cr. NH exemption valid through 1/1/05. CA exemption valid through 1/1/10.
CALIFORNIA TABLEWARE STATUE	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic		FDA Lead Cadmium limits <u>do not</u> apply to glass but <u>do</u> apply to ceramic ware and others. Requires items to be labeled with a fired mark with manufacturer or importer's name responsible for the sale in California. Registration of manufacturers and importers with CDHS required.
CALIFORNIA PROPOSITION 65 CERAMICWARE  LEAD CADMIUM	0.226 ppm 3.164 ppm	0.100 ppm 0.322 ppm	0.100 ppm 0.084 ppm	0.100ppm	0.100 ppm	0.100 ppm	Warnings must be posted for any products, which might cause reproductive harm. Articles permanently marked "Not for food use - Articles may poison food - For decorative purposes only" are exempt. Applies to food contact area on any foodware surface including glass and ceramic. As tested using AOAC method, 15th edition (1990), section 973.32 for lead. This method utilizes ASTM C-738 for obtaining leachates. Significant manufacturing changes require retesting of articles to certify compliance to statute. See SGCD White Paper for details. Law applies to cadmium as of May 1, 1998. Cadmium limits are "advisory" only.
CALIFORNIA PROPOSITION 65 CRYSTALWARE							Similar to ceramicware with prescribed consumer warnings.
MINNESOTA PIGMENT STATUTE							After July 1, 1998, no deliberate introduction of lead, cadmium, mercury or hexavalent chromium into any ink, dye, pigment, paint or fungicide for use or sale in Minnesota. Special language exempts products used to decorate glass and ceramicware until January 1, 2005. Please consult with SGCD for specifics.
MASSACHUSETTS REGULATIONS LEAD	2.0 ppm	2.0 ppm	2.0 ppm	2.0 ppm	2.0 ppm		Applies to glass, ceramic, porcelain or porcelain-coated cooking or drinking vessels. Uses a modified ASTM C738 Test. Refer to SGCD TechNoteBook™ or contact SGCD for more information.

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Note: More detailed information on the standards described here can be found in the 2004 edition of SGCD's white paper entitled "Lead and Other Heavy Metals: Where Does the Decorating Industry Stand?" in SGCD's TechNoteBook, which can be obtained from SGCD's Public Affairs Office. After October 15, 2005, contact SGCD for the most current version of this document.