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ANNOUNCING THE LAUNCH OF GREENALLOYS.COM
New Web site serves as “green” resource for the metal industry

Mars, PA – GreenAlloys.com, launched recently by Concast Metal Products Company, serves as the sole Web site dedicated to environmentally friendly, regulatory-compliant, lead-free copper alloys. It brings together information about no-lead alloys, including their benefits and applications for use, and serves as a primary resource guide for designers, engineers and OEMs who are looking for a green solution in the metals marketplace.

“The green movement is happening all around us in nearly every industry – it’s a long-term trend,” says Al Barbour, president and CEO of Concast Metal Products Company. “More and more consumers are wanting environmentally friendly products, and corporations are wanting to be known for doing their part in caring for the environment.”

Concast produces a full range of GreenAlloys™ that are free of the elements that impact health and the environment, yet still perform in the manner for which they were intended. These alloys have extremely low lead content, often as low as 0.05 percent. Within these alloys, lead is replaced by other elements, but the product still offers exceptional lubricity, tightness, wear, strength, hardness and machinability.

The following GreenAlloys™ are offered by Concast:

Concast is a sub-licensee for the production of the continuous cast version of **Eco Brass**® (C87850), a lead-free alloy that replaces leaded brasses by using silicon. These alloys are typically used in plumbing applications such as valves, fittings and fixtures. Eco Brass® meets the need from the marketplace for a lead-free brass alternative. It has physical and mechanical properties that provide excellent strength and corrosion-resistance characteristics while still maintaining good machinability. Concast produces and markets continuous cast rods, bars and hollows for the North American market.

Since 1993, Concast has produced millions of pounds of **Federalloy**® (C89835), a patented alloy of the Federal Metal Company, in which lead is replaced with bismuth to create pressure-tight plumbing fittings and fixtures. The solution is not only effective but so unique that the Federal Metal Company has received several U.S. patents and has applied for others in many countries around the world. Currently, Concast is the only foundry licensed to produce the Federalloy® group of alloys.

In addition to Eco Brass® and Federalloy®, Concast produces **Standard GreenAlloys**™ ranging from aluminum bronzes to high tin bronzes. These alloys are recognized by the CDA (Copper

Development Association) and are manufactured to ASTM (American Society of Testing and Materials) specifications. Aluminum bronze is the highest-strength standard copper-based alloy. All of the aluminum bronzes produced by Concast can be heat treated, further increasing tensile strengths. The alloys described as tin bronzes have long been recognized for their low lead content (less than 0.25 percent) and high strength characteristics. These alloys have high wear resistance and low friction resistance, which make them ideal in bearings, as well as in valves and fittings where pressure tightness is necessary.

Cu-Se-Bi – Envirobrass[®] is a lead-free metal alloy created with the concern that water delivery systems should not interfere with water quality. Cu-Se-Bi – Envirobrass[®] removes the concern of lead leaching into drinking water from in-line plumbing components. Cu-Se-Bi – Envirobrass[®] alloys offer the foundry industry modern, environmentally friendly alloys that are able to meet the stringent requirements of current water purity regulations.

“As we continue to anticipate market needs, we are excited to bring GreenAlloys.com to the industry as a key resource and solution. At Concast, we are striving to be valued for being on the edge of technology and for bringing forth the next generation of regulatory-compliant alloys and materials,” say Barbour.

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About Concast

Concast Metal Products Company traces its roots back to 1891 when it began production of brass and bronze ingot in Pittsburgh, Pa. Since 1960, Concast has been producing continuous cast products such as copper alloys, aluminum bronze and manganese bronze in two locations – Mars, Pennsylvania and Cleveland, Ohio. The company has been producing no-lead alloys since 1993. Concast is leading the conversion to lead-free alloys by being one of the first manufacturers to produce extremely low lead product. Concast is an industry leader as a single-source supplier, offering both leaded Bronze and aluminum bronze products to its customers.

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