

# FOR IMMEDIATE RELEASE

## Periodic Products Awarded Brazilian Patent for Metal Recovery and Related Technologies

Fort Lauderdale, FL – December 2, 2019

Periodic Products Inc. announced today that it has been awarded a Brazilian Letters Patent (PI0819710-5) for its metal chelation, water purification and metal recovery technologies.

Mining and mineral products account for approximately 2% of Brazil's GDP. The South American nation is also the world's second-largest exporter of iron ore, and is home to large deposits of copper, bauxite, niobium, nickel and gold.

Mining waste and acid effluent – unavoidable consequences of mining activities – are typically collected in tailing ponds. Brazil has suffered two mining tailing pond breaches: the Mariana dam failure in November 2015, and the Brumadinho dam failure in January 2019. The latter event alone released approximately 12 million cubic meters of tailings; both contaminated significant areas with arsenic, lead, mercury and other metals.

The new patent represents an important market opportunity for the Company, as well as a potential environmental asset for Brazil, according to Joseph Laurino, Ph.D., President and CEO of Periodic Products.

“We are extremely pleased that Brazil has granted the Company this patent,” Laurino acknowledged. “Since the time of our initial application filing, we further developed our technology to incorporate remediation of mining tailing pond and acidic mine drainage.”

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### About Periodic Products

Periodic Products is committed to advancing a cleaner and safer global environment through the application of responsible science and breakthrough chemical technologies. **Chelok**® is Periodic Products' patented chelating technology. Chelok gives our family of polymers the power to rapidly and permanently remove metals from water, soil and industrial ash, and allows metals to be safely and economically recovered from mining waste.

For additional information on our technologies, visit [periodicproducts.com](http://periodicproducts.com) or contact:

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**Forward-Looking Statements** – To the extent any statements made in this release contain information that is not historical, these forward-looking statements are based on the current expectations of the management of Periodic Products only and are subject to a number of factors, risks and uncertainties, including the acceptance and demand for new products, the impact of competitive products and pricing, new product development and launch, reliance on key strategic alliances, availability of raw materials, availability of additional intellectual property rights, availability of future financing sources, the regulatory environment, and other risks the Company may identify from time to time in the future that could cause actual results to differ materially from those described in the forward-looking statements.

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