



TSX-V: **GGG** OTCQB: **GPHBF**

G6 Materials Announces Granting of Two US Patents

The Company's IP Portfolio Now Includes 5 Granted Patents and 5 Patent Applications Filed

Ronkonkoma, New York, USA - TheNewswire – May 13, 2021 - G6 Materials Corp. (“**G6**” or the “**Company**”) (TSXV: GGG, OTCQB: GPHBF), a technology company creating value through the development of innovative graphene-based solutions, is pleased to announce that the Company has recently received a Notice of Allowance (“NOA”) from the U.S. Patent and Trademark Office (“USPTO”) for two of its previously filed patent applications, which graduates both to having granted patent status. The first of the two granted patents is related to graphene enrichment, while the second is regarding a water-soluble 3D printing material. G6 has also filed a non-provisional utility patent application regarding an antiviral graphene oxide air filtration device. Subsequent to the receipt of the NOAs and the filing of the utility patent application, the Company’s intellectual property (“IP”) portfolio currently includes five granted patents and five filed patent applications.

“The allowance by the USPTO of the Two Granted Patents enhances our IP portfolio and comes at an exciting time for our Company as we recently completed a transformational financing and continue working toward closing the GX Technologies acquisition,” said Daniel Stolyarov, President & CEO of G6 Materials Corp. “G6 is a unique company with ongoing commercial operations to go along with a strong research and development team. I would like to commend our employees and external service providers for their hard work and dedication with respect to developing innovations such as the two granted patents and advancing their status with the USPTO, thereby increasing their value and bringing them closer to commercialization,” added Mr. Stolyarov.

A summary of the two granted patents is provided below:

Graphene Enrichment – Entitled “*Method For Preparation And Separation Of Atomic Layer Thickness Platelets From Graphite Or Other Layered Materials*”, this patent describes a method that allows the separation of graphene nanoplatelets into fractions based on their thickness. The quality and price for graphene nanoplatelets are determined by their thickness and lateral size. Some of the methods of making graphene nanoplatelets produce platelets with a broad distribution of thickness and lateral size. The method described in the Company’s invention allows for the enrichment of graphene material by separating platelets based on their size and thickness. This method can also be used in conjunction with low-cost and low-efficacy methods of splitting graphite into platelets to produce high quality graphene material.



TSX-V: **GGG** OTCQB: **GPHBF**

Water-Soluble Thermoplastic Polymers – Entitled “*Thermoplastic Composites Comprising Water-Soluble PEO Graft Polymers Useful For 3-Dimensional Additive Manufacturing*”, this patent describes the formulation of a water-soluble 3D printing material for the fused deposition modeling (“FDM”) method of 3D printing. Water-soluble FDM material is routinely used as a sacrificial material in 3D printing. There is a well-known issue with FDM 3D printing – it has the problem of fabricating free-hanging, overhang and helical geometries. The most common method to overcome this issue is to use two materials simultaneously – structural and soluble – with the soluble material being removed at the last step. Usually, PolyVinyl Alcohol (“PVA”) is used as the soluble material, however, PVA does not completely dissolve in water. At best, it becomes goopy and is still difficult to remove. This is a serious limitation for fabricating small channels, for example. The Company believes its formulation is superior as it completely dissolves in water within minutes, thereby creating a non-viscous solution, which is expected to result in one of the best commercial materials of its kind on the market.

Additionally, the Company has filed a non-provisional utility patent application entitled “*Antiviral Graphene Oxide Air Filtration Device And Associated Methods*”. G6’s invention is a method to utilize the scientifically-proven antimicrobial properties of graphene oxide for air filtration applications. As previously announced, the Company is working with a manufacturing partner in China to develop a portable air purifier using this technology, which would allow for the efficient removal of bacteria and viruses from the air. This product is currently undergoing testing by an independent laboratory in the United States, which needs to be completed in order to obtain proper accreditation from the government.

Update on GX Technologies Acquisition

The Company’s previously announced acquisition of GX Technologies, Inc. remains on track to be completed in the near term. The closing period has been mutually extended by both parties as more time is needed to complete the due diligence process and prepare the transaction’s closing documents. The completion of the acquisition will be subject of the receipt of final approval of the TSX Venture Exchange.

About G6 Materials Corp.

G6 Materials Corp. is a technology company creating value through the development of innovative graphene-based solutions. Graphene Laboratories Inc., a wholly owned subsidiary of G6, sells a range of graphene-based products and other materials, including but not limited to conductive epoxies, fine chemicals, high performance composites and R&D materials, with numerous customers from among the Fortune 500 list of companies, as well as NASA and leading universities. Graphene Laboratories Inc. is developing other innovative products including graphene-enhanced air purifiers and it hopes to enter the global filtration market once all testing is complete and applicable government approvals are received.



TSX-V: **GGG** OTCQB: **GPHBF**

G6 has identified new graphene-based applications to accelerate growth into the future. Accordingly, the Company has a valuable IP portfolio currently comprised of five granted patents and five patent applications filed. The Company's management team and employees have a deep understanding of graphene technology based on decades of aggregate academic and commercial experience. Graphene Laboratories Inc., a wholly owned subsidiary of G6 located in Ronkonkoma, New York, has established its premium research laboratory and scalable production facility is equipped with advanced analytical and material processing equipment.

The Company's e-commerce websites are listed below:

- Conductive Epoxies: Adhesive materials distributed under the G6-EpoxyTM trade name and can be purchased at g6-epoxy.com
- Fine Chemicals: ChemApproach is a worldwide supplier of a wide variety of unique chemical building blocks, which can be found at chemapproach.com
- R&D Materials: Graphene Laboratories Inc. currently offers over 100 graphene and related products available at Graphene-Supermarket.com

Forward-Looking Information

This news release contains forward-looking statements within the meaning of the applicable securities legislation that is based on expectations, estimates and projections as at the date of this news release. By their nature, forward-looking statements involve known and unknown risks, uncertainties and other factors which may cause actual results, performance or achievements, or other future events, to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements. "Forward-looking information" in this news release includes information about the acquisition and closing of GX Technologies; the use of proceeds of the Offering; the potential for the Company's long-term growth; the business goals and objectives of the Company, and other forward-looking information includes but is not limited to information concerning the intentions, plans and future actions of the parties to the transactions described herein and the terms thereon.

Risk factors that could cause actual results to differ materially from those described in such forward-looking information include, but are not limited to, the acquisition of GX Technologies may not be completed on the terms currently anticipated, or at all; the combined company may not achieve its key milestones and value drivers in the time estimated, or at all; the risks associated with outstanding litigation, if any; risks associated with adoption by industries of graphene-based products health and environmental factors affecting adoption of these technologies; the company may fail to obtain appropriate government approvals or accreditation related to the business' operations and technological processes; the results of the tests being performed by an independent laboratory may be unsatisfactory and prevent the company from receiving government approvals and accreditations; the market conditions and demand for its product as well as the market prices of such products being developed by the company may change over time; reliance on key personnel; the potential for conflicts of interest among certain officers, directors or promoters with



TSX-V: **GGG** OTCQB: **GPHBF**

certain other projects; the absence of dividends; competition; dilution; the volatility of our common share price and volume; and tax consequences to U.S. shareholders.

In connection with the forward-looking information contained in this news release, the Company has made assumptions about the ability to complete the acquisition of GX Technologies, including obtaining TSX Venture Exchange final acceptance; the benefits to completing the acquisition of GX Technologies; and there will be no regulation or law that will prevent the combined company from operating its business. The Company has also assumed that no significant events occur outside of the G6 and GX's normal course of business.

The Company undertakes no obligation to revise or update any forward-looking information other than as required by law.

Neither TSX Venture Exchange nor its Regulation Services Provider (as that term is defined in the policies of the TSX Venture Exchange) accepts responsibility for the adequacy or accuracy of this release.

Commercial Inquiries

Daniel Stolyarov, President & CEO

Telephone: (631) 405-5113

Email: info@g6-materials.com

Investor Inquiries

G6 Investor Relations

Telephone: (631) 405-5114

Email: investors@g6-materials.com

ON BEHALF OF THE BOARD: Daniel Stolyarov, President & CEO

SOURCE: G6 Materials Corp.

For more information on G6 Materials Corp., please visit www.G6-Materials.com or its profile page on SEDAR at www.sedar.com.