

PRESS RELEASE

Directa Plus continues its efforts to promote research into the impact of nanomaterials in the workplace

(Lomazzo; Italy) 19 October 2017 – Directa Plus plc, one of the largest producers and suppliers of graphene-based products for use in consumer and industrial markets, has collaborated with the Risk Assessment and Human Health Research Group at the University of Insubria (Como, Italy) in a study regarding exposure to graphene in the workplace. This forms part of Directa Plus' ongoing efforts to promote research into the impact of nanomaterials in the workplace and to advocate the adoption of adequate risk management measures.

The study's aims were to assess the effectiveness of chemical fume hoods in protecting against graphene occupational exposure as well as to determine the conditions that result in a lower dispersion of particles in the workplace and, thus, reduced operator occupational exposure.

To achieve this, an experimental study was conducted to monitor the variations of airborne particle concentrations while handling graphene nanoplatelets in fume hoods (transferring, pouring and cleaning activities). Measurements were made with high-resolution direct-reading instruments in three locations (laboratory, hood and operator's breathing zone) during the performance of handling and cleaning tasks under various conditions.

The concentration levels of Graphene Nanoplatelets (GNPs) observed during the study were of modest quantities so the occupational exposure associated with the handling of the nanomaterials under the investigated conditions may be considered minimal.

Complete results of the study are now undergoing submission to a scientific peer-reviewed journal for publication.

Enquiries

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About Directa Plus

Directa Plus is one of the largest producers and suppliers of graphene-based products for use in consumer and industrial markets worldwide. By incorporating Directa Plus' unique graphene blends, identified by the G+ brand, its customers can enhance the performance of their end products without significantly increasing their cost. Directa Plus graphene-based products are natural, chemical-free, sustainably produced and tailored to specific customer requirements for

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commercial applications such as smart textiles, tyres, composite materials and environmental solutions.

Established in 2005, the Company has a patented technology process and a scalable and exportable manufacturing model. It produces graphene-based products at its own factory in Lomazzo, Italy, and can set up additional production at customer locations to reduce transport costs, waste and time-to-utilisation. Directa Plus partners with customers to enable them to offer the high-performance benefits of graphene in their own products.

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