

UFlex Chemicals acquires India patent for Solvent Free Pigmented Adhesive and a Process for its Preparation

~Patent for an environment friendly, cost-effective and versatile solvent-free white adhesive~

National, October 06, 2022: As one of the global leaders in inks, coatings and adhesives for packaging and labelling applications, UFlex treads on the path of continuous development and delivery of pioneering products for the packaging industry. The Chemicals Business of UFlex has recently acquired a patent for '**Solvent free pigmented adhesive and a process for its preparation**' (Patent No 406417). With this patent, the Chemicals business of UFlex has once again demonstrated its commitment to 'Harvesting Innovation.'



Solvent Free Pigmented Adhesive



This patent has been awarded to UFlex by the Government of India in accordance with the provisions of the Patents Act, 1970 for a period of 20 years. UFlex proudly adds this patent to develop innovative and sustainable solution to its growing list of leading-edge products.

The present disclosure relates to a two component adhesive composition and the process for its preparation. The adhesive composition of the present disclosure is solvent-free and works well on existing solvent less lamination machines. It helps reduce the use of white ink, thus significantly reducing costs. The process for the preparation of the adhesive composition is simple, efficient, solvent-free and environment friendly.

Presence of high content of volatile organic solvents in solvent-based conventional adhesives is detrimental to the environment and is energy intensive, thereby increasing overall costs. With the development of this solvent free white adhesive, the customer gets the freedom to be green and cost-effective at the same time.



Advantages of the patented solvent-free pigmented white adhesive:



The adhesive will help achieve higher machine speeds ranging from 300-350 meters per minute, leading to higher productivity with excellent machinability on existing solvent-less lamination machines. This development will cut down the requirement of white ink coating on printed substrates, thereby presenting substantial cost savings. Solvent-free pigmented white adhesive offers excellent wettability, offer enhanced wettability on metallized substrates and improves the look of the packaging. Development of Solvent-free pigmented white adhesive consumes less power and significantly reduces application costs. The fast decay of primary aromatic amines makes it highly environment friendly and sustainable.

On acquiring the adhesive patent, **Rajesh Bhasin, Jt. President, UFlex Chemicals** stated, *“Continuously developing cost-effective and value-added solutions for the packaging industry is integral to our business. Our research team has been continuously working most diligently to outperform our own set benchmarks. This patent is another feather in the cap of UFlex Chemicals, and once again demonstrates our capability to align with client needs while promoting sustainability. I am thrilled that a cost effective and a versatile solvent-free white adhesive is now a reality we will be able to deliver.”*

Brands can be highlighted with distinctive visibility as it considerably improves flexible film performance allowing for higher visual appeal in applications. The product is already being marketed globally and is garnering good demand from customers.

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About UFlex Chemicals Business:

The UFlex Chemicals Business that was incorporated in 1994 and headquartered in Noida, is a leading provider of flexible packaging Inks, water-based, solvent-less and solvent-based adhesives and specialty UV & LED Coatings with the full range of UV and LED inks/ coatings for sheetfed offset, letterpress & narrow web application serving customers across the globe. Its state-of-the-art R&D center is NABL (ISO/IEC 17025:2017), accredited & recognized by The Department of Science and Technology, Government of India. Noida and Jammu plants are accredited with several certificates—such as ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, ISO 50001:2018, and ISO 31000:2018. The verticals' prime focus remains on developing sustainable technology, customized products, food-safe toluene-free compliant inks per IS 15495:2020 and providing on-site support.

For details please visit: <https://www.uflexltd.com/chemicals.php>

About UFlex:

UFlex is India's largest multinational Flexible Packaging Materials & Solution Company and a global player in Polymer Sciences. Since its inception in 1985, UFlex has grown from strength-to-strength and has created a presence across all verticals of the flexible packaging value chain - Packaging, Packaging Films, Aseptic Liquid Packaging, Holography, Cylinder, Engineering and Chemical. The Company has earned an irreproachable reputation defining the contours of the 'Packaging Industry' in India and overseas by providing end-to-end solutions to clients across 140 countries. Headquartered in Noida, UFlex enjoys a global reach with state-of the-art manufacturing facilities in India, UAE, Mexico, Egypt, USA, Poland & Russia.

For more details, click on: www.uflexltd.com