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FOR IMMEDIATE RELEASE

## FRX Polymers® and China's Yoo-Point Jointly Develop Water-Based Emulsions Containing Nofia® Non-Halogenated Flame Retardants

**CHELMSFORD, Mass., April 29, 2019** - FRX Polymers Inc., the global leader in polymeric halogen-free flame retardant (FR) solutions, has announced a joint development agreement with China's Yoo-Point Group for the production of water-based emulsions which contain FRX Polymers' Nofia® phosphonate halogen-free flame retardants. The emulsions are particularly suited for use in polyurethane (PU) coatings and low-density flexible PU foam.

Due to Nofia FR's less than 400-nanometer particle size in the emulsion, the material delivers stability and outstanding flame retardant properties in addition to a low total volatile organic components (TVOC) rating, allowing PU foams and coatings to meet strict automotive interior specifications.

Under the joint development agreement, Yoo-Point, a leading resin producer for the coatings market, will market and sell the new Nofia FR-based emulsions to customers in China. Meanwhile, FRX Polymers will be responsible for marketing and commercialization outside of China. The Nofia FR water-based emulsion – considered to be an environmentally friendly alternative to solvent-based systems - is already enjoying commercial success in PU-based foams and coatings in China.

Nofia FRs enable these foam products to meet various automotive fire safety standards as well as new total VOC and fogging standards from global car producers and regional in-vehicle air quality regulations. These include the new Chinese mandatory standard GB/T 27630-201X.

“This is a brand new and novel form factor for Nofia phosphonates which underscores the versatility of our technology,” said Marc Lebel, President and CEO of FRX Polymers. “This joint development agreement opens up many new market opportunities for Nofia flame retardants and has global implications.” In addition to PU, the water-based emulsion system could be incorporated in other resins that are compatible with Nofia FRs, according to Lebel.

“We're thrilled to be working with FRX Polymers on this game-changing development which delivers a highly sustainable, water-based FR solution for the coatings market,” said Mr. Wu Wenhua, general manager of Yoo-Point Group.

The water-based emulsion is targeted at low-density PU foam applications such as automotive headliners and PU coatings for FR clothing, rain gear, and synthetic leather.

### **About Yoo-Point Group**

Yoo-Point Group, a multiplex company which specializes in resin production, is a developer of upstream and downstream chemical products, commerce, and bio-technology. The group was first established in 1988 and is headed by Mr. Wu Zhengyou, incumbent board chairman and founder of Yoo-Point. The headquarters of the group is located in Xinhua Road, Shanghai. The group consists of three wholly-owned subsidiaries: Shanghai Yoo-Point chemicals Co., Ltd.; Shanghai Yoo-Point Resin manufacturing Co., Ltd.; and Shanghai Yoo-Point chemicals manufacturing Co., Ltd. For more information, visit <http://www.yoo-point.cn/en/about.asp?id=1>.

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**About FRX Polymers**

FRX Polymers, Inc. is the global leader in halogen-free polymeric flame retardant solutions, marketed under the Nofia® brand name. Nofia polymers and oligomers are inherently transparent, high flowing, and due to their high phosphorus content, are inherently flame retardant. These environmentally friendly FR solutions are targeted for use in electronics, textiles, building and construction, and transportation applications. Founded in 2007, FRX Polymers operates a pilot plant at its headquarters in Chelmsford, Mass. and a full-scale commercial plant in Antwerp, Belgium. For more information about its products, visit <http://www.frxpolymers.com>.

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