



NEWS RELEASE

# Aptar Requests U.S. FDA Emergency Use Authorization for N95 Filtering Facepiece Respirator Decontamination with ActivShield™

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CRYSTAL LAKE, Ill.--(BUSINESS WIRE)-- AptarGroup, Inc. (NYSE: ATR), a global leader in drug delivery, consumer product dispensing and active packaging solutions, is seeking U.S. FDA Emergency Use Authorization (EUA) for a solution that allows easy disinfecting of N95 filtering facepiece respirators (N95 mask). The N95 masks are desperately needed by healthcare personnel due to the shortage of disposable masks during the COVID-19 pandemic.

This press release features multimedia. View the full release here:

<https://www.businesswire.com/news/home/20200403005545/en/>

Photo: N95 Mask Decontamination with ActivShield™ by Aptar

In this simple disinfecting process, the N95 mask and a

small strip of Aptar's ActivShield™ are placed inside any commonly available one-gallon plastic bag. The strip releases a controlled amount of chlorine dioxide inside the sealed bag to decontaminate the N95 mask. The process takes only three hours until the mask is ready to wear again. It can be performed on-site at the local hospital where the mask is being used.

Aptar has submitted its safety and effectiveness data to the FDA for EUA review. The company is working to provide approximately four million ActivShield strips per week and is working to expand its production capacity with the intent to deliver ten million per week by the end of April. "We are extremely encouraged by the promising data generated so far and are eager to deliver this technology to the front line and support the fight against the pandemic," said John Belfance, President of Aptar CSP Technologies. If the FDA approves the EUA, then ActivShield



will immediately become available for this important use.

Chlorine dioxide has been widely used as a disinfectant in different industries, including the paper industry, drinking water treatment, food processing, and medical equipment. Aptar's delivery mechanism uses the disinfecting properties of chlorine dioxide in a controlled sustained release within a contained volume.

This innovative patent pending technology can efficiently and effectively disinfect N95 masks used by healthcare workers and first responders.

"Aptar's technology provides a unique, simple, and effective way to help solve the critical problem of PPE shortages we're currently facing," said Stephan Tanda, Aptar President and CEO. "We are aiming to provide a solution that is not only fast, but it does not require special equipment or training, making it potentially accessible to the wider healthcare community. This could enable healthcare workers to retain and disinfect their own facemask, helping to maintain continued proper fit to their face."

## About Aptar

Aptar is a global leader in the design and manufacturing of a broad range of drug delivery, consumer product dispensing and active packaging solutions. Aptar uses insights, design, engineering and science to create dosing, dispensing and protective packaging technologies for the world's leading brands, in turn making a meaningful difference in the lives, looks, health and homes of millions of people around the world. Aptar's innovative solutions and services serve a variety of end markets including pharmaceutical, beauty, personal care, home, food and beverage. The company is headquartered in Crystal Lake, Illinois and has 14,000 dedicated employees in 20 countries. For more information, visit [www.aptar.com](http://www.aptar.com).

This press release contains forward-looking statements. Words such as "promising" or "working" and other similar expressions or future or conditional verbs such as "will" or "could" are intended to identify such forward-looking statements. Forward-looking statements are made pursuant to the safe harbor provisions of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934 and are based on our beliefs as well as assumptions made by and information currently available to us. Accordingly, our actual results may differ materially from those expressed or implied in such forward-looking statements due to known or unknown risks and uncertainties that exist in our operations and business environment including, but not limited to: economic conditions worldwide; uncertainties related to the timing or outcome of product development; the regulatory environment; and competition, including technological advances. For additional information on these and other risks and uncertainties, please see our filings with the Securities and Exchange Commission, including the discussion under "Risk Factors" and "Management's Discussion and Analysis of Financial Condition and Results of Operations" in our Form 10-Ks and Form 10-Qs. We undertake no obligation to update any forward-looking

statements, whether as a result of new information, future events or otherwise.

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### Product Contact:

John Belfance

**john.belfance@aptar.com**

518-469-3358

### Corporate Contact:

Matt DellaMaria

**matt.dellamaria@aptar.com**

815-477-0424

Source: AptarGroup, Inc.