

DEEP CLEANING & SANITISATION

FOAMSTREAM'S EFFICACY REDUCING THE TRANSMISSION OF INFECTIOUS VIRUSES



Foamstream Clean

FOAMSTREAM AS A VIRUCIDE

In 2019 Foamstream was tested and approved for use as an organic biocide by the EPA and the EU. Certified in a UK laboratory following PREN 16777:2014 standards (the European standard that all biocides need to comply to), Foamstream was proved to be highly effective at killing Hepatitis C, as well as other well-known viruses. Its conclusions were:

"According to Draft PREN 16777:2014, Foamstream V4 POSSESSES VIRUCIDAL ACTIVITY at all volumes tested after 1 MINUTE at 98.0°C / 208.4°F under CLEAN conditions (0.3 g/l bovine albumin) against Bovine Viral Diarrhea Virus VR-1422/ BT cells a surrogate for Hepatitis C virus"

To view the full scientific report, [click here](#).

FOAMSTREAM AND THE EFFECT OF HEAT ON VIRAL INACTIVITY

EFFECTS OF TEMPERATURE ON VIRAL GROWTH

60-66°C / 140-151°F is the optimum temperature for killing most viruses

At 56°C/133°F, SARS coronavirus shows a quick decrease in number of infectious viral units*

*https://www.who.int/csr/sars/survival_2003_05_04/en/

N.B. Nothing kills 100% of bacteria and viruses but disinfecting with temperatures above 77°C, when applied properly, can kill 99% of living organisms including bacteria and viruses.

60 - 66°C / 140 - 151°F

56°C / 133°F

TEMPERATURE OF FOAMSTREAM DURING APPLICATION

98°C / 208.4°F

Temperature of Foamstream at lance

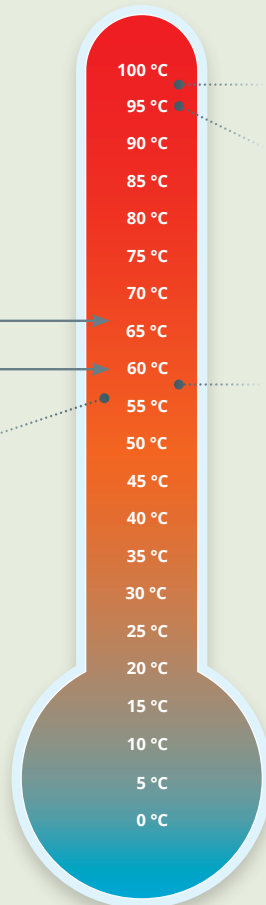
95°C / 203°F

Temperature of Foamstream at contact point

57°C / 135°F

Foamstream stays above 57°C / 135°F for approximately 15 seconds after point of contact**

**time varies depending on speed of application and outside atmospheric conditions. Foamstream stays above 57°C for 15 seconds at an application rate of 2km/hr (1.25miles/hr) or less.



WHAT DOES THIS MEAN IN THE CURRENT COVID-19 CLIMATE?

We have strong reason to believe that Foamstream will be an effective virucide against COVID-19 in the same way that it is against Hepatitis. This is based on the nature of the virus, the temperature required to kill such viruses, and the way Foamstream interacts with them.

HOW CAN **FOAMSTREAM** POTENTIALLY HELP?

Viruses are killed through exposure to high temperatures for certain lengths of time. The required temperature to kill Hepatitis C is higher than that required to kill the SARS coronavirus (of which COVID-19 is a strain) which sees serious reductions in virus concentration when exposed to 56°C / 133°F. https://www.who.int/csr/sars/survival_2003_05_04/en/

By implication, Foamstream will be similarly effective at treating COVID-19 and helping to reduce its transmission.

WHERE CAN **FOAMSTREAM** BE USED FOR DEEP CLEANING AND SANITISATION?

Foamstream can be used on all surfaces and environments. It's safe around people, animals and waterways. Examples of places Foamstream is effective as a deep cleaning & sanitising tool are:

- + **Bus stops**
- + **Playgrounds**
- + **Outdoor spaces around hospitals and other public buildings**
- + **Schools**
- + **Retail Outlets**
- + **Parking facilities**
- + **Sports facilities**
- + **Cemeteries**

We believe Foamstream's use in and around public areas is of great value during this crisis and could help reduce the transmission of nasty viruses such as SARS-Cov-2 (Covid-19).

To speak to one of our team about how Foamstream Clean might be able to help your organisation, get in touch today.

