



Product

# GVA-100

[INORGANIC VIRUS INACTIVATION AGENT]

Patent Pending

■ **Inactivate virus accumulating on surface materials of rooms and cars effectively and continuously.**

**GVA-100 inactivate virus every time accumulating on surface Materials of rooms and cars very effectively. In result, it prevents the accumulation of virus depositing on materials, and restrain virus from re-floating in the air.**

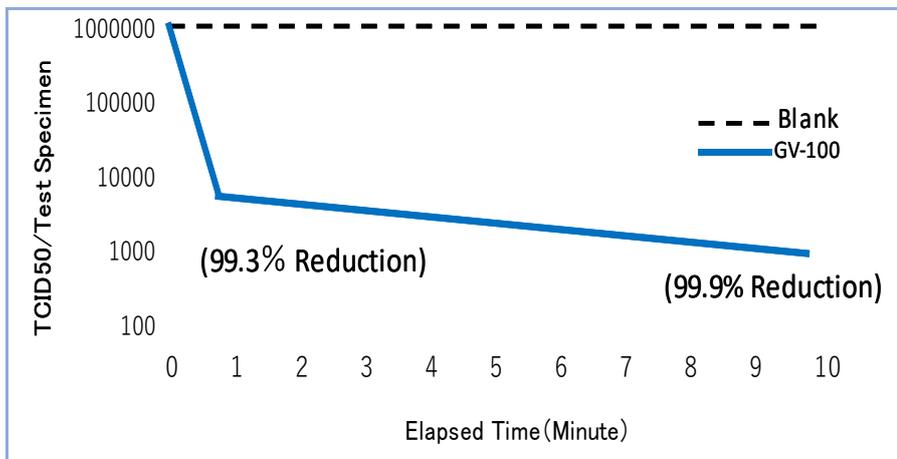
## Safety: GHS Classification

**Acute Oral Toxicity Test: N/C**  
**Acute Skin Irritation Test: N/C**  
**Acute Eye Irritation Test: N/C**

N/C: A classification term when sufficient Evidence is found that it does not fall under Any of the hazard classifications stipulated In the GHS.

## Performance:

[GVA-100] Processed Cotton Cloth SARS-CoV-2 Result of Inactivation Efficiency Test



Test Virus: SARS-CoV-2  
Test Specimen: Applied GVA-100 (Liquid) on Cotton 4 months prior to commencement of test.

■ **99.3% Reduction in 1 min.**  
■ **99.9% Reduction in 10 min.**

Test Laboratory: Shoku-Kan-Ken, Japan

**Application:** Clothing (Food Factory, Medical · Welfare Facilities), Interior of rooms and cars, High Frequency Contact Surface and Others.  
**Direction:** Spray (Recommended Nozzle Size: 0.3-0.5mm) and others.  
**Coating Volume:** 12 g/m<sup>2</sup> – 30g/m<sup>2</sup> (Water Repellent Surface). Aim to coat on the high permeability surfaces.  
**Storage:** in cool and dark place.

<b>Technical Data :</b>	<b>Appearance:</b>	<b>In Liquid</b>
	<b>Color:</b>	<b>Colorless and Transparent</b>
	<b>Odor</b>	<b>Odorless</b>
	<b>Components:</b>	<b>Sodium Metasilicate (Active Component)</b>
		<b>L-Tartaric Acid</b>
		<b>Alkyl Glycoside (0.4%)</b>
		<b>Cellulose Nano Fiber</b>
	<b>Purified Water</b>	
	<b>N-V Matter:</b>	<b>&lt; 7%</b>
	<b>p H:</b>	<b>&lt; 12</b>
	<b>Solubility:</b>	<b>Mix with Water • Alcohol</b>

- Patent has been applied as Virucidal Agent.  
The surfactant is contained in component for purpose of increasing the osmotic pressure

### Disinfection Effect Against New Corona Virus :

**National Institute of Technology and Evaluation (NITE) confirmed, according to their verification tests among those surfactants which were known as effective to New Corona Virus, that Alkyl Glycoside (Over0.1%) was found to be effective to disinfect New Corona Virus.**

The verification test by National Institute of Infectious Diseases:

Confirmed the infectivity reduction rate of 99.999% or above in 20 sec with 0.05%.

The verification test by Kitasato University:

Confirmed inactivation effect in 1 min. with 0.1%

### ■ GVA-100 Contains over 0.1% of Alkyl Glycoside



Select right product for right purpose among products stipulating disinfection control measures against New Corona Virus.  
<https://www.meti.go.jp/press/2020/06/20200626013/20200626013-1.pdf>



New Corona Virus Measures  
Surfactants containing in detergents eliminate New Corona Virus.  
<https://www.meti.go.jp/press/2020/06/20200626013/20200626013-3.pdf>

**Supervise : AIREX Co., Ltd.,**

**Tokai University Academic-Industry Collaboration Testing Laboratory**

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