

**Unaudited Preliminary Results for Project No. 1044-102:  
Pre-Saturated or Impregnated Towelette Virucidal Efficacy Test –  
Severe Acute Respiratory Syndrome-related Coronavirus 2 (SARS-CoV-2) (COVID-19 Virus)**

**RESULTS**

Results are presented in Tables 1– 7.

Viral Load Calculation:

Load ( $\text{Log}_{10}$  TCID<sub>50</sub>) per carrier = Titer ( $\text{Log}_{10}$  TCID<sub>50</sub>/mL) +  $\text{Log}_{10}$  [volume per carrier (mL)]

Viral Reduction Calculation:

$\text{Log}_{10}$  Reduction = Initial Viral Load ( $\text{Log}_{10}$  TCID<sub>50</sub><sup>\*</sup>) – Output Viral Load ( $\text{Log}_{10}$  TCID<sub>50</sub><sup>\*</sup>)

\* per assayed volume and per carrier

Key (for all tables):

- T/y = Cytotoxicity observed in y wells inoculated; viral cytopathic effects (CPE) could not be determined
- X/y = X wells out of y wells inoculated exhibited positive viral cytopathic effect
- 0/y = 0 out of y wells inoculated exhibited positive viral CPE; no cytotoxicity or bacterial contamination was observed in any of the wells inoculated

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**RESULTS (continued)**

**Table 1  
Plate Recovery Control (PRC)**

Dilution*	PRC
	Replicate 1
10 <sup>-3</sup>	4/4
10 <sup>-4</sup>	4/4
10 <sup>-5</sup>	4/4
10 <sup>-6</sup>	4/4
10 <sup>-7</sup>	1/4
10 <sup>-8</sup>	0/4
Titer (Log <sub>10</sub> TCID <sub>50</sub> /mL)	6.75
Load (Log <sub>10</sub> TCID <sub>50</sub> )**	6.05

\*Dilution refers to the fold of dilution from the virus inoculum.

\*\*Per carrier (0.2 mL of Undilute [10<sup>0</sup>])

**Table 2  
Test Substance**

Dilution*	Aktive General Disinfecting and Cleaning Wet Wipes		
	Lot No. 10181563	Lot No. 10191787	Lot No. 10201977
10 <sup>-2</sup>	T/4	T/4	T/4
10 <sup>-3</sup>	0/4	0/4	0/4
10 <sup>-4</sup>	0/4	0/4	0/4
10 <sup>-5</sup>	0/4	0/4	0/4
10 <sup>-6</sup>	0/4	0/4	0/4
10 <sup>-7</sup>	0/4	0/4	0/4
Titer (Log <sub>10</sub> TCID <sub>50</sub> /mL)	≤ 2.50	≤ 2.50	≤ 2.50
Load (Log <sub>10</sub> TCID <sub>50</sub> )**	≤ 1.80	≤ 1.80	≤ 1.80
Log <sub>10</sub> Reduction	≥ 4.25	≥ 4.25	≥ 4.25

\*Dilution refers to the fold of dilution from the virus inoculum.

\*\*Per carrier (0.2 mL of Undilute [10<sup>0</sup>])

**RESULTS (continued)**

**Table 3**  
**Neutralizer Effectiveness/Viral Interference (NE/VI) and Cytotoxicity (CT) Controls**

Dilution*	Aktive General Disinfecting and Cleaning Wet Wipes	
	Lot No. 10181563	
	NE/VI	CT
10 <sup>-2</sup>	T/4	T/4
10 <sup>-3</sup>	4/4	0/4
10 <sup>-4</sup>	4/4	0/4

\*Dilution refers to the fold of dilution from the mock inoculum.

**Table 4**  
**Neutralizer Effectiveness/Viral Interference (NE/VI) and Cytotoxicity (CT) Controls**

Dilution*	Aktive General Disinfecting and Cleaning Wet Wipes	
	Lot No. 10191787	
	NE/VI	CT
10 <sup>-2</sup>	T/4	T/4
10 <sup>-3</sup>	4/4	0/4
10 <sup>-4</sup>	4/4	0/4

\*Dilution refers to the fold of dilution from the mock inoculum.

**Table 5**  
**Neutralizer Effectiveness/Viral Interference (NE/VI) and Cytotoxicity (CT) Controls**

Dilution*	Aktive General Disinfecting and Cleaning Wet Wipes	
	Lot No. 10201977	
	NE/VI	CT
10 <sup>-2</sup>	T/4	T/4
10 <sup>-3</sup>	4/4	0/4
10 <sup>-4</sup>	4/4	0/4

\*Dilution refers to the fold of dilution from the mock inoculum.

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**RESULTS (continued)**

**Table 6**  
**Cell Viability Control (CVC)**

CVC
0/4
Cells were viable; media was sterile

**Table 7**  
**Virus Stock Titer Control (VST)**

Dilution*	VST
10 <sup>-4</sup>	4/4
10 <sup>-5</sup>	4/4
10 <sup>-6</sup>	4/4
10 <sup>-7</sup>	2/4
10 <sup>-8</sup>	0/4
10 <sup>-9</sup>	0/4
Titer (Log <sub>10</sub> TCID <sub>50</sub> /mL)	7.00

\*Dilution refers to the fold of dilution from the virus inoculum.

### Safety Data Sheet

according to Regulation (EU) 2015/830  
Issue date: 3/23/2020

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product form : Mixture  
Product name : 500ct Cleaning and disinfection wipes liquid  
Product code : 1904909931 : 23060306  
Type of product : Detergent

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

Use of the substance/mixture : Cleaning and disinfection wipes liquid

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

Sasatech	Distributed By
dalton	Aktive Health
kibbutz sasa M.P MAROM HAGALIL	3300 Reagan
1387000 - ISRAEL	Dallas, TX 75219
T +972-4-6987720	T 1-800-287-1512
<a href="mailto:Asad@sasatech.co.il">Asad@sasatech.co.il</a>	Support@aktivehealth.com

### 1.4. Emergency telephone number

Emergency number : +97246987720

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixtures/Substances: SDS EU 2015: According to Regulation (EU) 2015/830 (REACH Annex II)

Not classified

#### Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Precautionary statements (CLP) : P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
EUH-statements : EUH210 - Safety data sheet available on request.

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ethanol; ethyl alcoho	(CAS-No.) 64-17-5	1 - 5	Flam. Liq. 2, H225
Quaternary ammonium compounds, Didecyltrimethylammonium, benzyl-C12-16- alkyldimethyl, chlorides	(CAS-No.) 68424-85-1	.1 - .5	Eye Irrit. 2, H319

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water.  
First-aid measures after eye contact : Rinse eyes with water as a precaution.  
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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### 4.2. Most important symptoms and effects, both acute and delayed

No additional information available

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### ethanol; ethyl alcohol (64-17-5)

Netherlands	Grenswaarde TGG 8H (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup>
Netherlands	Grenswaarde TGG 15MIN (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>

### 8.2. Exposure controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Hand protection:

Protective gloves

#### Eye protection:

Safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

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### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: No data available
Odour	: No data available
Odour threshold	: No data available
pH	: 8.8
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0.887 g/cm <sup>3</sup>
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

### ethanol; ethyl alcohol (64-17-5)

LD50 oral	10470 mg/kg bodyweight
LD50 dermal	15800 mg/kg bodyweight
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 99999 mg/l/4h

Skin corrosion/irritation	: Not classified
	pH: 8.8
Serious eye damage/irritation	: Not classified
	pH: 8.8

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Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified.
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

### ethanol; ethyl alcohol (64-17-5)

LC50 fish 1	14200 mg/l
EC50 other aquatic organisms 1	5012 mg/l EC50 waterflea (48 h)
EC50 other aquatic organisms 2	275 mg/l IC50 algae (72 h) mg/l

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available






## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
1993	1993	1993	1993	1993
<b>14.2. UN proper shipping name</b>				
FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	Flammable liquid, n.o.s.	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.
<b>14.3. Transport hazard class(es)</b>				
3	3	3	3	3
				
<b>14.4. Packing group</b>				
I	I	I	I	I
<b>14.5. Environmental hazards</b>				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No



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No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR)	: F1
Special provisions (ADR)	: 274
Limited quantities (ADR)	: 0
Excepted quantities (ADR)	: E3
Packing instructions (ADR)	: P001
Mixed packing provisions (ADR)	: MP7, MP17
Portable tank and bulk container instructions (ADR)	: T11
Portable tank and bulk container special provisions (ADR)	: TP1, TP27
Tank code (ADR)	: L4BN
Vehicle for tank carriage	: FL
Transport category (ADR)	: 1
Special provisions for carriage - Operation (ADR)	: S2, S20
Hazard identification number (Kemler No.)	: 33
Orange plates	:

33

1993

Tunnel restriction code (ADR)	: D/E
EAC code	: •3YE

#### Transport by sea

Special provisions (IMDG)	: 274
Limited quantities (IMDG)	: 0
Excepted quantities (IMDG)	: E3
Packing instructions (IMDG)	: P001
Tank instructions (IMDG)	: T11
Tank special provisions (IMDG)	: TP1, TP27
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-E
Stowage category (IMDG)	: E

#### Air transport

PCA Excepted quantities (IATA)	: E3
PCA Limited quantities (IATA)	: Forbidden
PCA limited quantity max net quantity (IATA)	: Forbidden
PCA packing instructions (IATA)	: 351
PCA max net quantity (IATA)	: 1L
CAO packing instructions (IATA)	: 361
CAO max net quantity (IATA)	: 30L
Special provisions (IATA)	: A3
ERG code (IATA)	: 3H

#### Inland waterway transport

Classification code (ADN)	: F1
Special provisions (ADN)	: 274
Limited quantities (ADN)	: 0
Excepted quantities (ADN)	: E3
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01
Number of blue cones/lights (ADN)	: 1

#### Rail transport

Classification code (RID)	: F1
Special provisions (RID)	: 274
Limited quantities (RID)	: 0
Excepted quantities (RID)	: E3

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Packing instructions (RID)	: P001
Mixed packing provisions (RID)	: MP7, MP17
Portable tank and bulk container instructions (RID)	: T11
Portable tank and bulk container special provisions (RID)	: TP1, TP27
Tank codes for RID tanks (RID)	: L4BN
Transport category (RID)	: 1
Hazard identification number (RID)	: 33

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Allergenic fragrances > 0,01%:

CITRAL  
GERANIOL

Detergent Regulation : Ingredient data sheet:

Component	CAS-No.	%
ALCOHOL	64-17-5	1 - 10%
NP9	500-024-6	0.1 - 1%
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	0.1 - 1%
CITRAL	5392-40-5	<0.1%
GERANIOL	106-24-1	<0.1%
ALPHA-TERPINEOL	98-55-5	<0.1%
GERANYL ACETATE	105-87-3	<0.1%
LINALYL ACETATE	115-95-7	<0.1%
DECANAL	112-31-2	<0.1%
benzyl acetate	140-11-4	<0.1%
2-phenylethanol	60-12-8	<0.1%
Terpineol Acetate	8007-35-0	<0.1%
4-TERT-BUTYLCYCLOHEXYL ACETATE	32210-23-4	<0.1%
ETHYLENE BRASSYLATE	105-95-3	<0.1%

Detergent Regulation : Labelling of contents:

Component	%
aliphatic hydrocarbons	<5%
perfumes	
ALDEHYDES	

Directive 2012/18/EU (SEVESO III)

#### 15.1.2. National regulations

##### Germany

Reference to AwSV : Water hazard class (WGK) 2, Significantly hazardous to water (Classification according to AwSV, Annex 1)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : ethanol; ethyl alcohol is listed

SZW-lijst van mutagene stoffen : None of the components are listed

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NIET-limitatieve lijst van voor de voortplanting  
giftige stoffen – Borstvoeding : ethanol; ethyl alcohol is listed

NIET-limitatieve lijst van voor de voortplanting  
giftige stoffen – Vruchtbaarheid : ethanol; ethyl alcohol is listed

NIET-limitatieve lijst van voor de voortplanting  
giftige stoffen – Ontwikkeling : ethanol; ethyl alcohol is listed

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Full text of H- and EUH-statements:	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
EUH210	Safety data sheet available on request.

SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*