

# HAND SANITISER

## Safety Data Sheet

According to Regulation (EC) No. 1907/2006  
(amended by Regulation (EU) No. 2017/776)

Version: 01

Version date: 4 May 2020

Language: EN

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

#### 1.1. Product identifier

Trade name/designation : BACTIVE Hand Sanitiser (11501, 11502, 11509)  
Article No (user) : Not relevant.

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

Relevant identified uses : Hand sanitiser.  
Uses advised against : No data available.

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

Supplier : ZURU Inc.  
Street: Unit 1201-04, Energy Plaza, 92 Granville Road, Tsim Sha Tsui East,  
Postal code/City: Kowloon  
Country: Hong Kong  
Telephone: No data available  
E-mail: hello@bactive.co



#### 1.4. Emergency Telephone Number

European Union: +33 09 83 03 53 84

### SECTION 2: Hazards identification



#### 2.1. Classification of the substance or mixture

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

	Classification	Hazard statements (H)	
	Flam. Liq. 2	H225	Highly flammable liquid and vapour.
	Eye Irrit. 2	H319	Causes serious eye irritation

#### 2.2. Label elements

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

Hazard pictograms	 
Signal word	Danger
Product identifiers	-
Hazard Statements	H225 - Highly flammable liquid and vapour. H319 - Causes serious eye irritation
Supplemental Hazard information (EU)	-
Precautionary Statements - General	P102 - Keep out of reach of children.
Precautionary Statements - Prevention	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P270 - Do not eat, drink or smoke when using this product.
Precautionary Statements - Response	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Precautionary Statements - Storage	P337+P313 - If eye irritation persists: Get medical advice/attention. P403+P235 - Store in a well-ventilated place. Keep cool.

### 2.3. Other hazards

Not available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Substance	C (%)	Classification	Specific concentration limits	Note
Ethanol CAS N°:64-17-5 EC N°:200-578-6 IDX N°:603-002-00-5	C≤ 75.0%	H225: Highly flammable liquid and vapour. H319: Causes serious eye irritation	-	[1]

[1] Substance for which maximum workplace exposure limits are available.

### 3.2. Mixtures

The mixture does not contain any substances classified as Substances of Very High Concern (SVHC) by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>.

### 3.3. Remark

Text phrases and H- EUH-: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General information	:	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Do not leave affected person unattended. Keep affected person warm, still and covered.
Following inhalation	:	Remove person to fresh air and keep comfortable for breathing.
Following skin contact	:	After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing. Change contaminated, saturated clothing.
Following eye contact	:	In case of eye irritation consult an ophthalmologist. Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing.
Following ingestion	:	Never give anything by mouth to an unconscious person or a person with cramps. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Self-protection of the first aider	:	First aider: Pay attention to self-protection!.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

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

Notes for the doctor	:	Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	:	Dry chemical powder, CO <sub>2</sub> , water spray or alcohol-resistant foam (minor fire). Water spray or mist, or alcohol-resistant foam (major fire). Burns with an invisible blue flame. Provide fire extinguishers distributed inside the premises, on outdoor areas and places presenting specific risks, near the clearances, clearly visible and easily accessible. Extinguishing agents must be appropriate to the risks to be combated and compatible with the products stored. Have a means to alert the fire and emergency services. Post the plans of the premises facilitating the intervention of the fire and rescue services with a description of the dangers for each room.
Unsuitable extinguishing media	:	Do not use a water jet. Foam or carbon dioxide.

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

Formation of toxic gases is possible during heating or in case of fire.

## 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

## 5.4. Additional information

Do not inhale vapors and fumes. Co-ordinate fire-fighting measures to the fire surroundings. Move undamaged containers from immediate hazard area if it can be done safely. Use caution when applying carbon dioxide in confined spaces. Carbon dioxide can displace oxygen. Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

# SECTION 6: Accidental release measures

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

Use personal protection equipment. Remove persons to safety. Provide adequate ventilation. Use appropriate respiratory protection.

## 6.2. Environmental precautions

Ensure that waste is collected and contained. Contain leaks or spills within cabinets with removable trays.

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

Treat the recovered material as prescribed in the section on waste disposal. Collect in closed and suitable containers for disposal. Clean contaminated objects and areas thoroughly observing environmental regulations. Absorb with liquid-binding material ( e.g. sand, diatomaceous earth, acid- or universal binding agents). Wipe up with absorbent material (eg. cloth, fleece).

## 6.4. Reference to other sections

Safe handling: see section 7. Disposal: see section 13. Personal protection equipment: see section 8.

## 6.5. Additional information

Not available

# SECTION 7: Handling and Storage

## 7.1. Precautions for safe handling

### PROTECTIVE MEASURES

Avoid contact with skin, eyes and clothes.

Wear personal protective clothing (see section 8).

Use only in well-ventilated areas.

If local exhaust ventilation is not possible or not enough, the entire work area must be ventilated by technical means.

Provide adequate ventilation as well as local exhaustion at critical locations.

Vapours/aerosols should be exhausted directly at the point of origin.

Avoid breathing gas/fumes/vapour/spray.

Keep containers dry. Protect from the sun / light. Prevent spills and leaks to avoid any risk of spills. Use only in area with adequate ventilation.

Keep away from open flames, hot surfaces and sources of ignition. Avoid the accumulation of electrostatic charges which can cause ignition.

Do not eat, drink and smoke. Avoid contact with the eyes.

### Advices on general occupational hygiene

Wash hands before breaks and after work.

Remove contaminated, saturated clothing immediately.

Work in well ventilated zones or use proper respiratory protection.

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

Store the product in a cool environment at room temperature (15 to 25 ° C), away from humidity and well ventilated, away from any source of ignition. Protect from light. Keep container tightly closed. Conservation before opening: 2 years from the date of completion.

A warehouse specifically intended for the storage of highly flammable products is required when storing quantities of product greater than 50 liters.

Avoid any dangerous atmosphere inside the containers, as far as possible. Transfer slowly to avoid causing electrostatic discharge.

### Requirements for storage rooms and vessels

Ensure adequate ventilation of the storage area.

Ground/bond container and receiving equipment.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### Advice on joint storage

Keep away from food, drink and animal feedingstuffs.

Keep away from clothing and other combustible materials.

Keep only in the original container in a cool, well-ventilated place, away from highly flammable substances.

### Further information on storage conditions

Use explosion-proof electrical/ventilating/lighting/.../equipment.

Use only non-sparking tools.

### 7.3. Specific end uses

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Derived no-effect level (DNEL) and predicted no-effect concentration for the environment (PNEC) (ECHA):

- Ethanol

DNEL, workers, systemic effects, chronic exposure by inhalation: 950 mg / m<sup>3</sup>

DNEL, workers, systemic effects, chronic dermal exposure: 343 mg / kg / d

DNEL, general population, systemic effects, chronic oral exposure: 87 mg / kg / day

DNEL, general population, systemic effects, chronic dermal exposure: 206 mg / kg / d

DNEL, general population, systemic effects, chronic exposure by inhalation: 114 mg / m<sup>3</sup>

PNEC water (fresh water): 0.96 mg / L

PNEC water (fresh water, intermittent discharges): 2.75 mg / L

PNEC water (marine water): 0.79 mg / L

PNEC STP: 580 mg / L

PNEC sediment (fresh water): 3.6 mg / kg

PNEC sediment (marine water): 2.9 mg / kg

PNEC soil: 0.63 mg / kg

PNEC secondary poisoning: 0.38 g / kg

- Glycerol

DNEL, workers, local effects, chronic exposure by inhalation: 56 mg / m<sup>3</sup>

DNEL, general population, local effects, chronic exposure by inhalation: 33 mg / m<sup>3</sup>

DNEL, general population, systemic effects, chronic oral exposure: 229 mg / kg / day

PNEC water (fresh water): 0.885 mg / L

PNEC water (fresh water, intermittent discharges): 8.85 mg / L

PNEC water (marine water): 0.088 mg / L

PNEC STP: 1000 mg / L

PNEC sediment (fresh water): 3.3 mg / kg

PNEC sediment (marine water): 0.33 mg / kg

PNEC soil: 0.141 mg / kg

Occupational exposure limit value (INRS):

- Ethanol: VME = 1000 ppm (1900 mg / m<sup>3</sup>) / VLCT = 5000 ppm (9500 mg / m<sup>3</sup>)

- Glycerin aerosol: VME = 10 mg / m<sup>3</sup>

### 8.2. Exposure controls

Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment. Provide adequate ventilation as well as local exhaust at critical locations.

Individual protection measures, such as personal protective equipment

Good ventilation in the workplace is essential.

Store personal protective equipment in a clean place, away from the work area.  
Remove and wash contaminated clothing before reuse.  
Do not eat, drink or smoke during use. It is recommended to wear suitable protective clothing

#### Personal protection equipment



Eye/face protection	:	<p>Avoid contact with eyes. At work, it is recommended to wear protective glasses with side shields or a face shield with safety glasses meeting the EN 166 standard. It is recommended that contact lens wearers use corrective lenses when works where they can be exposed to irritating vapors.</p> <p>Provide eye fountains in workshops where the product is handled constantly. In case of contact with eyes, rinse thoroughly. Consult an ophthalmologist if feeling irritated.</p>
Skin protection	:	<p>Choose personal protection according to the quantity and concentration of the dangerous substance at the work place. If skin intolerance phenomena appear, consult a dermatologist. At the workplace, it is recommended to use suitable chemical protective gloves meeting EN 374 such as nitrile gloves. The glove material has to be impermeable and resistant to the product / the substance / the preparation. Ask the glove supplier for advice.</p> <p>Hand protection: Use gloves only once.</p> <p>Hand protection: When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.</p> <p>Hand protection: The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.</p> <p>Hand protection: For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.</p> <p>Hand protection: Breakthrough times and swelling properties of the material must be taken into consideration. Body protection: Lab coat.</p>
Respiratory protection	:	<p>When respiratory protection is required for certain operations or if the OEL is exceeded, use a filtering respirator approved in accordance with standard NF EN14387.</p> <p>Respiratory protection necessary at: If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Suitable respiratory protection apparatus: Wear respiratory protection. Remark: The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.</p> <p>Remark: Observe the wear time limits as specified by the manufacturer.</p> <p>Remark: Use only respiratory protection equipment with CE-symbol including four digit test number.</p>

#### 8.3. Additional information

Not available

### SECTION 9: Physical and chemical Properties

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

Physical state:	Liquid
Colour:	Colorless transparent gel.
Odour:	Weak odor.
Odour threshold:	Not available
pH:	Not available
Melting point/freezing point:	Not available
Initial boiling point and boiling range:	>50°C
Flash point:	<23°C
Evaporation rate:	Not available
Flammability:	Not available
Upper/lower flammability or explosive limits:	Not available

Vapour pressure:	Not available
Vapour density:	Not available
Relative density:	Not available
Solubility(ies):	Not available
Partition coefficient: n-octanol/water (Log KOC):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available
Explosive properties:	Not available
Oxidising properties:	Not available

## 9.2. Other safety information

Not available

## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

No reactivity is expected under normal conditions of storage and use.

### 10.2. Chemical stability

Stable under recommended conditions of storage, handling and use.

### 10.3. Possibility of hazardous reactions

Under normal conditions, no special dangerous reactions.

### 10.4. Conditions to avoid

Keep away from sources of heat, ignition and the sun. Avoid the accumulation of electrostatic charges.

### 10.5. Incompatible materials

Strong acids, strong bases, alkalis.

### 10.6. Hazardous decomposition products

The product does not decompose if handled correctly. In the event of a fire, carbon dioxide (CO<sub>2</sub>) and carbon monoxide (CO) may form.

## SECTION 11: Toxicological information

### 11.1. Acute oral toxicity

#### Data for mixture

Not available

#### Substances

Not available

### 11.2. Acute skin toxicity

#### Data for mixture

Not available

#### Substances

Not available

### 11.3. Acute inhalation toxicity

#### Data for mixture

Not available

#### Substances

Not available

### 11.4. Skin corrosion

#### Data for mixture

Not available

#### Substances

Not available

### 11.5. Eye damage

#### Data for mixture

Not available

#### Substances

Not available

#### 11.6. Skin sensitisation

##### Data for mixture

Not available

#### Substances

Not available

#### 11.7. STOT RE

##### Data for mixture

Not available

#### Substances

Not available

#### 11.8. STOT SE

##### Data for mixture

Not available

#### Substances

Not available

#### 11.9. STOT RE

##### Data for mixture

Not available

#### Substances

Not available

#### 11.10. Carcinogenicity

##### Data for mixture

Not available

#### Substances

Not available

#### 11.11. Reproductive and Developmental Toxicity

##### Data for mixture

Not available

#### Substances

Not available

#### 11.12. Genotoxicity

##### Data for mixture

Not available

#### Substances

Not available

#### 11.13. In vitro genotoxicity

##### Data for mixture

Not available

#### Substances

Not available

#### 11.14. Respiratory sensitisation

##### Data for mixture

Not available

#### Substances

Not available

#### Additional information

Not available

### SECTION 12: Ecological information

#### 12.1. Toxicity

Based on available data, the classification criteria are not met.

### 12.2. Persistence and degradability

The product has not been tested.

### 12.3. Bioaccumulative potential

The product has not been tested.

### 12.4. Mobility in soil

The product has not been tested.

### 12.5. Results of PBT and vPvB assessment

No data available.

### 12.6. Other adverse effects

No data available.

### 12.7. Additional ecotoxicological information

Not available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Product/Packaging disposal

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Waste requiring special supervision.

Dispose of waste according to applicable legislation.

Delivery to an approved waste disposal company.

Non-contaminated packages must be recycled or disposed of.

Contaminated packing must be completely emptied and can be reused after proper cleaning.

Packing which cannot be properly cleaned must be disposed of.

Handle contaminated packages in the same way as the substance itself.

Dispose of waste according to applicable legislation.

For recycling, contact manufacturer.

Collect the waste separately.

Consult the appropriate authorities about waste disposal.

Do not mix with other wastes.

The waste is to be kept separate from other types of waste until its disposal.

Concerning the waste it has to be checked, whether a transport authorisation is required.

### 13.2. Additional information

Not available

## SECTION 14: Transport information

	Land transport (ADR/RID)	Inland waterway transport (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI/IATA-DGR)
<b>14.1. UN number</b>	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.
<b>14.3. Transport hazard class(es)</b>				
Class or Division	3	3	3	3
Hazard label(s)				
<b>14.4. Packing group</b>	III	III	III	III

### 14.5. Environmental hazards

No

### 14.6. Special precautions for user

- ADR / RID  
Classification code: F1  
Special provisions: 274, 601, 640D  
Excepted quantities: E2  
Limited quantities: 1 L



Tunnel restriction code: D / E  
Hazard identification number: 33

- IMDG  
Special provisions: 274  
Limited quantities: 1 L  
EmS: F-E, S-E
- IATA:  
Special provisions: A3  
Excepted quantities: E2  
Limited quantities: 1 L  
For limited quantities of dangerous goods, see ADR and IMDG chapter 3.4 and IATA part 2.7.  
For excepted quantities of dangerous goods, see ADR and IMDG chapter 3.5 and IATA part 2.6.

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

### SECTION 15: Regulatory information

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

This SDS has been established in accordance with REACH regulation, including its amendments: REACH Regulation (EC) No 1907/2006. This SDS has been established in accordance with CLP regulation, including its amendments: CLP Regulation EC No. 1272/2008.

- Regulation (EC) No 528/2012: contains a preservative to protect the initial properties of the article treated. Contains ethanol.
- Substances subject to authorization in Regulation (EC) 1907/2006 (REACH): Not concerned
- Regulation (EC) 1005/2009 on substances which perforate the ozone layer: Not concerned
- Article 95, Regulation (EU) No 528/2012: Ethanol (Product type 1, 2, 4, 6)
- Regulation (EU) n ° 649/2012 governing the export and import of dangerous chemicals: Not concerned
- SEVESO III: Section P5c, Flammable liquids (low threshold 5000 tonnes, high threshold 50,000 tonnes).
- Nomenclature of installations classified for the environment: Item 4331 (flammable liquids of category 2 or category 3 with the exception of item 4330), Reporting threshold > 50 tonnes. Item 2630 (manufacture of or based on detergents and soaps), Reporting threshold > 1 tonne.
- Order of 12/05/16 relating to the prescriptions applicable to certain classified installations for the protection of the environment subject to declaration for the sites falling under section 2630 (in particular section 4 of appendix I)

#### 15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier. For this substance/mixture a chemical safety assessment has been elaborated. For this mixture, the relevant data of the Substances' Chemical safety assessment are integrated in the sections of the SDS.

#### 15.3. Additional information

Not available

### SECTION 16: Other information

Creation date: 04/05/2020  
Version date: 04/05/2020  
Printing date: 04/05/2020

#### 16.1. Indication of changes

Not applicable (first edition of the MSDS).

#### 16.2. Abbreviations and acronyms

ADN/ADNR: Regulations concerning the transport of dangerous substances in barges on the waterways. ADR/RID: European Agreement concerning the International Carriage of Dangerous Goods by Road/Regulations concerning the international carriage of dangerous goods by rail. CAS: Chemical Abstract Service Number. IATA: International Air Transport Association. IMDG: International Maritime Dangerous Goods Code. DPD: Dangerous Preparation Directive. UN number: United Nations number. No EC: European Commission Number. CLP: Classification, labeling and packaging. VPvB: very persistent and very bioaccumulative substances.

#### 16.3. Key literature references and sources for data

No data available.

#### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Classification of the mixture is in accordance with the evaluation method described in Regulation (EC) No 1272/2008.

#### 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

H225	Flam. Liq. 2	Highly flammable liquid and vapour.
H319	Eye Irrit. 2	Causes serious eye irritation

#### 16.6. Training advice

Not available

#### 16.7. Additional information

Not available

The information given in this Safety Data Sheet is based on our present knowledge and on european and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.