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Client		Item No.	
Unit		Job No.	
Location		Doc. No.	

MATERIAL SAFETY DATA SHEET

HAND SANITIZER

Note:

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Remarks

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1. Product and Company Identification

Product name: EVITA Hand Sanitizer

Manufacturer or supplier's details

Manufacturer: Inventa Technologies (S) Pte Ltd
44A Tras Street
Singapore 078983

Supplier: Lavara Holdings Pte Ltd
44A Tras Street
Singapore 078983

Recommended use of the chemical and restrictions on use

Recommended use: Hand Sanitizer Human hygiene biocidal products
For further information, refer to the product technical data sheet.

2. Hazards Identification

GHS Classification

Flammable liquids: Category 3

Serious eye damage/eye irritation: Category 2A

Specific target organ toxicity – single exposure: Category 3

GHS label elements

Hazard pictograms:



Signal word: Warning

Hazard statements: H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Precautionary statements: P102 Keep out of reach of children.

Prevention:

P210 Keep away from heat/sparks/open flames/hot surfaces.
No smoking.

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.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification

None known.

3. Composition/Information on Ingredients

Substance / Mixture: Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (% v/v)
Propan-2-ol	67-63-0	>= 75
Glycerol	56-81-5	1.45
Hydrogen Peroxide	7722-84-1	0.125
Deionised Water	7732-18-5	remainder

4. First Aid Measures

General advice: If you feel unwell, seek medical advice (show the label where possible).

If inhaled: If breathed in, move person into fresh air.

In case of eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes.

If swallowed: Rinse mouth.
Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed: No information available.

Notes to physician: For specialist advice physicians should contact the Poisons Information Service.

5. Firefighting Measures

Suitable extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media:	none
Specific hazards during fire-fighting:	Cool closed containers exposed to fire with water spray.
Hazardous combustion products: Specific extinguishing methods:	No hazardous combustion products are known Standard procedure for chemical fires.
Special protective equipment for firefighters:	Use personal protective equipment.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:	Ensure adequate ventilation. Remove all sources of ignition.
Environmental precautions:	Should not be released into the environment.
Methods and materials for containment and cleaning up:	Wipe up with absorbent material (e.g. cloth, fleece).

7. Handling and Storage

Advice on protection against fire and explosion:	Keep away from sources of ignition - No smoking.
Advice on safe handling:	Keep away from heat.
Conditions for safe storage:	Store at room temperature in the original container.
Materials to avoid:	Keep away from food and drink.

8. Exposure Controls/Personal Protection

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Propan-2-ol	67-63-0	TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
Glycerol	56-81-5	TWA	10 mg/m ³ mist	ACGIH TLV

Personal Protective Equipment

Protective measures: No special protective equipment required.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Appearance:	Liquid
Color:	Colorless
Odor:	Pleasant
pH:	No data available
Melting point/range:	Not determined
Boiling point/boiling range:	83 °C
Flash point:	23 °C Method: DIN 51755 Part 1
Lower explosion limit:	lower flammability limit 70 g/m ³ (20 °C) Method: Din 51649
Vapour pressure:	6 kPa (50 °C)
Density:	0,85 g/cm ³ (20 °C)
Solubility(ies) Water solubility:	completely miscible
Auto-ignition temperature:	430 °C

10. Stability and Reactivity

Reactivity:	No decomposition if stored and applied as directed.
Chemical stability:	The product is chemically stable.
Possibility of hazardous reactions:	None reasonably foreseeable.
Conditions to avoid:	Heat Strong sunlight for prolonged periods.
Incompatible materials:	None.

11. Toxicological Information

Acute toxicity

Components:

Propan-2-ol (CAS: 67-63-0)

Acute oral toxicity:	LD50 Oral (Rat): > 2.000 mg/kg
Acute inhalation toxicity:	LC50 (Rat): > 20 mg/l Exposure time: 8 h Test atmosphere: vapour
Acute dermal toxicity:	LD50 Dermal (Rabbit): > 2.000 mg/kg

Glycerin (56-81-5)

Acute oral toxicity:	NA
Acute inhalation toxicity:	LC50 (Rabbit): > 10 g/kg
Acute dermal toxicity:	NA

Skin corrosion/irritation

Components:

Propan-2-ol (CAS: 67-63-0)

Species: Rabbit
Result: No skin irritation

Serious eye damage/eye irritation

Components:

Propan-2-ol (CAS: 67-63-0)

Species: Rabbit
Result: Eye irritation

Respiratory or skin sensitisation

Components:

Propan-2-ol (CAS: 67-63-0):

Test Type: Buehler Test

Species: Guinea pig

Result: Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity

Components:

Propan-2-ol (CAS: 67-63-0):

Genotoxicity in vitro:

Test Type: Ames test

Metabolic activation: with and without metabolic activation

Result: negative

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Repeated dose toxicity

No data available

Aspiration toxicity

No data available

Toxicology, Metabolism, Distribution

No data available

Neurological effects

No data available

12. Ecological Information

Components:

Propan-2-ol (CAS: 67-63-0)

Toxicity to fish:

LC50 (Leuciscus idus (Golden orfe)): > 100 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates:

EC50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h

Toxicity to algae:

EC50 (Scenedesmus capricornutum (fresh water algae)): > 100 mg/l
Exposure time: 72 h

13. Disposal Considerations

Disposal methods

Waste from residues:	Dispose of as hazardous waste in compliance with local and national regulations. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.
Contaminated packaging:	Empty remaining contents. Store containers and offer for recycling of material when in accordance with the local regulations.

14. Transport Information

14.1 UN Number

ADR:	UN 1219
IMDG:	UN 1219
IATA:	UN 1219

14.2 UN Proper Shipping Name

DOT:	Consumer Commodity
ADR:	Isopropanol (Isopropyl Alcohol, Propan-2-ol)
IMDG:	Isopropanol (Isopropyl Alcohol, Propan-2-ol)
IATA:	Isopropanol (Isopropyl Alcohol, Propan-2-ol)

14.3 Transport Hazard Class(es)

DOT:	ORM-D
ADR:	3
IMDG:	3
IATA:	3

14.4 Packing Group

ADR

Packing group:	II
Classification Code:	F1
Hazard Identification Number:	30
Labels:	3
Tunnel restriction code:	D/E

IMDG

Packing group:	II
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Labels: 3
EmS Code: F-E, S-D

IATA (Cargo)

Packing instruction (cargo air-craft): 364
Packing group: II
Labels: Class 3 - Flammable Liquid

IATA (Passenger)

Packing instruction (passenger aircraft): 353
Packing group: II
Labels: Class 3 - Flammable Liquid

15. Environmental Hazards

ADR

Environmentally hazardous: No

IMDG

Marine pollutant: No

15.1 Special precautions for user

Not applicable

15.2 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

16. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture
International Regulations

17. Other Information

The first date of preparation: 16-03-2020

Number of revision times and latest revision date: 0

The above information presented here is believed to be accurate and pertains only to the product when stored in a sealed condition, as prescribed above. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his



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