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**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

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**PRODUCT NAME:** ZAPPY IPA Alcohol Wipes  
**70% v/v Isopropyl Alcohol (Isopropanol)**

**PRODUCT IDENTIFICATION:** Wet Wipes

**PRODUCT USE:** For cleaning and disinfecting purposes

**MANUFACTURER:** Freshening Industries Pte Ltd

**ADDRESS:** 4 Loyang Link Singapore 508895

**EMERGENCY PHONE:** (65) 65466000

**FAX PHONE:** (65) 64566090

**EMAIL:** [freshening@freshening.com.sg](mailto:freshening@freshening.com.sg)

**IMPORTER:** **Freshening Australia**  
c/o Oshiklenz Pty Ltd  
PO BOX 503,  
Revesby, NSW Australia 2212  
**Tel + 61 2 9533 2211**  
**Fax + 61 2 9533 3133**  
**Email [info@oshiklenz.com.au](mailto:info@oshiklenz.com.au)**  
[www.oshiklenz.com.au](http://www.oshiklenz.com.au)

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**SECTION 2: HAZARDS IDENTIFICATION**

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**GHS Classification**

Serious eye damage/eye irritation : Category 2A

Flammable Liquid : Category 3

**GHS Label element**

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H320:Causes eye irritation.  
H226: Flammable liquid and vapor

Precautionary Statements : **Prevention:**  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Use explosion-proof electrical/ventilating/lighting/equipment.  
Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

Wash thoroughly after handling.  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center/doctor if you feel unwell.

# FRESHENING INDUSTRIES PTE LTD

## SAFETY DATA SHEET



REV. NO.: 04

ZAPPY IPA ALCOHOL WIPES Effective Date: May 2020

If eye irritation persists: Get medical advice/attention.

Store in a well-ventilated place. Keep container tightly closed.

Dispose of contents/container/packaging in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)** : None known.

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### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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<u>INGREDIENTS</u>	<u>CAS NO.</u>	<u>PERCENTAGE v/v</u>
Isopropyl Alcohol (Isopropanol)	67-63-0	70
Deionized Water	7732-18-5	30

**SECTION 3 NOTES:** ZAPPY IPA Alcohol Wipes are made of Spunlace paper moistened with 70% v/v Isopropyl Alcohol solution.

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### SECTION 4: FIRST AID MEASURES

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In case of eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.
In case of skin contact	: Rinse with plenty of water.
If swallowed	: Rinse mouth. Get medical attention if symptoms occur.
If inhaled	: Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.
Protection of first-aiders	: If potential for exposure exists refer to Section 8 for specific personal protective equipment.
Notes to physician	: Treat symptomatically.
Most important symptoms and effects, both acute and delayed	: See Section 11 for more detailed information on health effects and symptoms.

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### SECTION 5: FIRE-FIGHTING MEASURES

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Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media	: High volume water jet
Specific hazards during firefighting	: Fire Hazard Keep away from heat and sources of ignition. Move back possible over considerable distance. Beware of vapours accumulating to form explosive concentrations.
Hazardous combustion products	: Decomposition products may include the following material: Carbon oxides
Special protective equipment for firefighters	: In case of fire, wear a full face positive-pressure self contained breathing apparatus and protective suit.
Specific extinguishing methods	: Use water spray to cool unopened boxes/containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes
Hazchem Code	: 1Z

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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Personal precautions, protective equipment and emergency procedures	: Remove all sources of ignition Wear protective equipment. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
Environmental precautions	: Do not allow contact with soil, surface or ground water.
Methods and materials for containment and cleaning up	: Eliminate all ignition sources if safe to do so. Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water.

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**SECTION 7: HANDLING AND STORAGE**

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Advice on safe handling	: Avoid contact with eyes. Use only with adequate ventilation. Keep away from fire, sparks and heated surfaces. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours)
Conditions for safe storage	: Keep away from heat and sources of ignition. Keep in a cool, well-ventilated place. Keep away from oxidizing agents. Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers. Keep away from direct sunlight.

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Components with workplace control parameters**

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
propan-2-ol	67-63-0	TWA	400 ppm 983 mg/m <sup>3</sup>	AU OEL
		VLE	500 ppm 1,230 mg/m <sup>3</sup>	AU OEL

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

**Personal protective equipment**

Eye protection : Safety glasses

Hand protection : No special protective equipment required.

Skin protection : No special protective equipment required.

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

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

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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Appearance : Moistened wipes  
Odour : Characteristic of isopropyl alcohol  
pH : Not applicable  
Flash point : 16 °C closed cup, Sustains combustion  
Odour Threshold : no data available  
Melting point/freezing point : no data available  
Initial boiling point and boiling range : no data available  
Evaporation rate : no data available  
Flammability (solid, gas) : no data available  
Upper explosion limit : no data available  
Lower explosion limit : no data available  
Vapour pressure : no data available

**SAFETY DATA SHEET**

ZAPPY IPA ALCOHOL WIPES

**REV. NO.: 04**

Effective Date: May 2020

Relative vapour density	: no data available
Relative density	: 0.85 - 0.89
Solubility in water	: Moistened wipe is not soluble in water
Partition coefficient: n-octanol/water	: no data available
Auto-ignition temperature	: no data available
Thermal decomposition	: no data available
Viscosity, kinematic	: no data available
Explosive properties	: no data available
Oxidizing properties	: no data available
Molecular weight	: no data available
VOC	: no data available

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**SECTION 10: STABILITY AND REACTIVITY**

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Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: Heat, flames and sparks.
Incompatible materials	: None known.
Hazardous decomposition products	: Decomposition products may include the following material: Carbon oxides

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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Information on likely routes of exposure : Inhalation, Eye contact, Skin contact, Ingestion

**Potential Health Effects**

Eyes	: Causes eye irritation.
Skin	: Health injuries are not known or expected under normal use.
Ingestion	: Central nervous system depression and loss of coordination
Inhalation	: Inhalation may cause central nervous system effects.

**Components**

Acute oral toxicity : propan-2-ol  
LD50 rat: 5,840 mg/kg

**Components**

Acute inhalation toxicity : propan-2-ol  
4 h LC50 rat: > 30 mg/l

**Components**

Acute dermal toxicity : propan-2-ol  
LD50 rabbit: 12,870 mg/kg

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**SECTION 12: ECOLOGICAL INFORMATION**

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**Ecotoxicity**

Environmental Effects : This product has no known ecotoxicological effects.

**Product**

Toxicity to fish : no data available

Toxicity to daphnia and other aquatic invertebrates : no data available

Toxicity to algae : no data available

**Components**

Toxicity to fish : propan-2-ol  
96 h LC50 Pimephales promelas (fathead minnow): 9,640 mg/l

**Components**

Toxicity to daphnia and other aquatic invertebrates : propan-2-ol  
LC50 Daphnia magna (Water flea): > 10,000 mg/l

**Persistence and degradability** : no data available

**Bioaccumulative potential** : no data available

**Mobility in soil** : no data available

**Other adverse effects** : no data available

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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Disposal methods : Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

# FRESHENING INDUSTRIES PTE LTD

## SAFETY DATA SHEET

ZAPPY IPA ALCOHOL WIPES

REV. NO.: 04

Effective Date: May 2020

### SECTION 14: TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labelling and markings are in compliance with the selected mode of transport.

#### Land transport (ADR/RID)

<b>14.1. UN number:</b>	UN 3175
<b>14.2. UN proper shipping name:</b>	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. <b>(Isopropanol)</b>
<b>14.3. Transport hazard class(es):</b>	4.1
<b>14.4. Packing group:</b>	II
Hazard label:	4.1



Classification code:	F1
Special Provisions:	216 274 601
Limited quantity:	1 kg
Excepted quantity:	E2
Transport category:	2
Hazard No:	40
Tunnel restriction code:	E

#### Marine transport (IMDG)

<b>14.4. UN number:</b>	UN 3175
<b>14.5. UN proper shipping name:</b>	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. <b>(Isopropanol)</b>
<b>14.6. Transport hazard class(es):</b>	4.1
<b>14.7. Packing group:</b>	II
Hazard label:	4.1



Special Provisions:	216, 274
Limited quantity:	1 kg
Excepted quantity:	E2
EmS:	F-A, S-I

#### Other applicable information (marine transport)

single wrapped wipes: Fullfills the criteria of special provision 216. - No dangerous good in sense of these transport regulations.

# FRESHENING INDUSTRIES PTE LTD

## SAFETY DATA SHEET

ZAPPY IPA ALCOHOL WIPES

REV. NO.: 04

Effective Date: May 2020

### Air transport (ICAO-TI / IATA-DGR)

<b>14.1. UN number:</b>	UN 3175
<b>14.2. UN proper shipping name:</b>	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. <b>(Isopropanol)</b>
<b>14.3. Transport hazard class(es):</b>	4.1
<b>14.4. Packing group:</b>	II
Hazard label:	4.1



Special Provisions:	A46
Limited quantity Passenger:	5 kg
Passenger LQ:	Y441
Excepted quantity:	E2
IATA-packing instructions-Passenger:	445
IATA-max.quantity-Passenger:	15kg
IATA-packing instructions-Cargo:	448
IATA-max.quantity-Cargo:	50 kg

#### Other applicable information (air transport)

single wrapped wipes: Fulfills the criteria of special provision A46. - No dangerous good in sense of these transport regulations.

### 14.5 Environmental Hazards

Environmentally hazardous: No

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### SECTION 15: REGULATORY INFORMATION

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R10	Flammable
S7	Keep container tightly closed
S16	Keep away from sources of ignition – no smoking
S2	Keep out of reach of children

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### SECTION 16: OTHER INFORMATION

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This product (Alcohol Wipes) is for general disinfection purposes.

*Sources of key data used to compile the Safety Data Sheet*  
*Globally Harmonized System of Classification and Labelling of Chemicals (GHS)*  
*IARC: (International Agency for Research on Cancer)*  
*Registered EU HPVCs (High Production Volume Chemicals)*

**DISCLAIMER:** The information contained herein is based on technical data believed to be reliable and correct as of the date issued. This MSDS is offered for information purposes only and as a guide to the precautionary and emergency handling of the product. Company makes no warranties, expressed or implied, including, but not limited to, any implied warranty of accuracy for a particular purpose. Users are responsible for determining the suitability of the product for their particular applications and purposes.