

# SAFETY DATA SHEET

## H4 INSTANT HAND SANITIZER

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### Section 1. Identification of the Material and Supplier

**Product Name** : Brillon Professional H4 Instant Hand Sanitizer

**Product Code** : H4\_V11.4.24

**Recommended Use** : Antiseptic

**Supplier** : Brillon Consumer Products Pvt. Ltd.  
10<sup>th</sup> Floor, Tower 2  
AIPL Business Club,  
Golf Course Ext Road, Sec 62,  
Gurgaon ,Haryana

Factory Address :  
Shri Padhmam Industries- Unit-II,  
Shed No. 1, R.S. No. 48, Rohini Nagar,  
Thavalakuppam, Puducherry- 605 007, India

**Consumer Help Line** : Manager Consumer Affairs  
Ph: 011-41704999

**Product use** : Consumer

**Poison Centre Information:** National Poisons Information Centre, Dept. of Pharmacology,  
All India Institute of Medical Sciences, New Delhi.

### Section 2. Hazard(s) Identification

**Classification of the substance or mixture** : Flammable liquid : Category 3  
Serious Eye damage or Eye Irritation: Category 2A

#### GHS Label elements

**Hazard pictograms**

:



**Signal word** : Danger

**Hazard statements** : H226 Flammable liquid and vapour.  
H319 Causes serious eye irritation

**Precautionary statements** :

**Prevention:**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P280 Wear eye protection/ face protection.

**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.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Storage:**

P403 + P235 Store in a well-ventilated place. Keep cool.

**Disposal:**

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

**Potential Health Effects**

Primary Routes of Entry :

Inhalation

Eye Contact

Skin Contact

Aggravated Medical Condition : None known.

<b>Section 3. Composition/Information on ingredients</b>
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**Hazardous components**

Chemical name	CAS-No.	Concentration (% v/v)
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Ethanol

64-17-5

$\geq 65$  -  $< 80$

#### Other Non-Hazardous ingredients to 100%

### Section 4. First Aid Measures

#### General Advice :

In the case of accident or if you feel unwell, seek medical advice immediately.  
When symptoms persist or in all cases of doubt seek medical advice

#### If inhaled :

If inhaled, remove to fresh air. If symptoms persist, call a physician.

#### In case of skin contact :

Wash with water and soap as a precaution. Get medical attention if irritation develops and persists.

#### In case of eye contact :

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.  
If easy to do, remove contact lens, if worn. Seek medical advice.

#### If swallowed

If swallowed, DO NOT induce vomiting. Rinse mouth with water. Obtain medical attention.

#### Most important symptoms and effects, both acute and delayed :

Causes serious eye irritation.

#### Protection of first-aiders :

First Aid responders should pay attention to self-protection and use the recommended protective clothing

### Section 5. Fire - Fighting Measures

**Suitable extinguishing media :**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable extinguishing media :**

Do not use water jet

**Specific hazards during firefighting :**

Do not use a solid water stream as it may scatter and spread fire.

Flash back possible over considerable distance.  
May form explosive mixtures in air.

**Hazardous combustion products :**

Carbon dioxide  
Carbon monoxide

**Specific extinguishing methods :**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers.

**Further information:**

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

**Special protective equipment for firefighters:**

In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

<b>Section 6. Accidental Release Measures</b>
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**Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment.  
Ensure adequate ventilation.  
Remove all sources of ignition.  
Evacuate personnel to safe areas.  
Keep people away from and upwind of spill/leak.  
Material can create slippery conditions.

**Environmental precautions:**

Discharge into the environment must be avoided.  
Prevent further leakage or spillage if safe to do so.  
Retain and dispose of contaminated wash water.  
Local authorities should be advised if significant spillages cannot be contained.

**Methods and materials for containment and cleaning up:**

Non-sparking tools should be used.  
Soak up with inert absorbent material.  
Suppress (knock down) gases/vapours/mists with a water spray jet.  
Keep in suitable, closed containers for disposal.  
Clean contaminated floors and objects thoroughly while observing environmental regulations.

## Section 7. Handling and Storage

### Advice on safe handling:

For personal protection see section 8.

Keep away from heat.

Use with local exhaust ventilation.

Avoid contact with eyes.

### Conditions for safe storage:

Take measures to prevent the build up of electrostatic charge.

Keep in properly labelled containers.

Keep containers tightly closed in a dry, cool and well-ventilated place.

Store in accordance with the particular national regulations.

## Section 8. Exposure Controls/Personal Protection

### Components with workplace control parameters

Components		CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Ethanol		64-17-5	TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	NIOSH REL
			TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	OSHA Z-1

### Engineering Measures :

Minimize workplace exposure concentrations. Use only in an area equipped with explosion proof exhaust ventilation. Use with local exhaust ventilation.

### Personal protective equipment:

#### Respiratory protection :

General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

**Hand protection :**

Material :Impervious gloves

Material :Flame retardant gloves

Remarks :Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. Breakthrough time is not determined for the product. Change gloves often. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.

**Eye protection** :Wear the following personal protective equipment:  
Safety goggles

**Skin and body Protection** :Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential. Wear the following personal protective equipment:

Flame retardant antistatic protective clothing. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).

**Hygiene measures** :Ensure that eye flushing systems and safety showers are located close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.

<b>Section 9. Physical and Chemical Properties</b>
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**Appearance** :Liquid

**Color** :Clear, colorless to pale yellow

**Odour** :Alcohol

**Odour Threshold** :No data available

**pH** :7.5 – 8.5

**Melting point/  
freezing point** :No data available

**Boiling Point** :76 Deg C

**Flash point** :22 Deg C

<b>Evaporation rate</b>	:No data available
<b>Flammability (solid, gas)</b>	:No data available
<b>Upper explosion limit</b>	:No data available
<b>Lower explosion limit</b>	:No data available
<b>Vapor pressure</b>	:No data available
<b>Relative vapor density</b>	:No data available
<b>Relative Density</b>	:0.87 – 0.9
<b>Solubility Water solubility</b>	:Soluble in water
<b>Partition coefficient noctanol/water</b>	:Not applicable
<b>Autoignition temperature</b>	:No data available
<b>Decomposition temperature:</b>	The substance or mixture is not classified self-reactive.
<b>Explosive properties</b>	:Not Explosive
<b>Oxidizing properties</b>	:The substance or mixture is not classified as oxidizing.

## **Section 10. Stability and Reactivity**

<b>Reactivity</b>	:	Not classified as a reactivity hazard.
<b>Chemical stability</b>	:	Stable under normal conditions.
<b>Possibility of hazardous: reactions</b>		Vapours may form explosive mixture with air.
<b>Conditions to avoid</b>	:	Heat, flames and sparks.
<b>Incompatible materials:</b>		Strong oxidizing agents, Flammable solids Self-reactive substances and mixtures Water-reactive substances
<b>Hazardous decomposition: Products</b>		Under normal conditions of storage and use, hazardous products should not be produced.

## Section 11. Toxicological Information

11.1	Information on likely routes of exposure	
	Eye Contact	Direct contact with eyes may cause serious eye irritation. Symptoms may include stinging, tearing, and redness.
	Skin Contact	No adverse effects expected from normal use. Prolonged and repeated skin exposure may cause defatting, drying and cracking of the skin.
	Ingestion	No adverse effects expected from normal use. May cause gastrointestinal discomfort/irritation if swallowed. Ingestion of high concentrations may cause nausea, vomiting, and signs of central nervous system depression (headache, dizziness and drowsiness).
	Inhalation	No adverse effects expected from normal use. Excessive inhalation may cause nausea, vomiting, and signs of central nervous system depression (headache, dizziness and drowsiness).
11.2	Potential Chronic Health Effects	None known
11.3	Acute Toxicity	<b>Product Summary/Conclusion:</b> Not classified based on available information.
	Components	Ethanol: CAS 64-17-5 LD50: 7060 mg/kg (rabbit oral); 7430 mg/kg (rabbit percutaneous); LC50: 37620 mg/m <sup>3</sup> , 10 hours (rat inhalation)
11.4	Skin corrosion / irritation	No known significant effects or serious harm
11.5	Serious eye damage / irritation	No known significant effects or serious harm
11.6	Respiratory or skin sensitization	<b>Product Summary/Conclusion:</b> Classification criteria are not met.
		<b>Product:</b> Human Repeat Insult Patch Test-No evidence of sensitization.
		<b>Ethanol:</b> CAS 64-17-5
		<u>Respiratory Sensitization:</u> No reports of human respiratory sensitization. <u>Skin Sensitization:</u> No skin sensitization evident in animal studies at 75% concentration.



11.7	<b>Germ Cell Mutagenicity</b>	<b>Product Summary/Conclusion:</b> Classification criteria are not met. No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
		<b>Ethanol:</b> CAS 64-17-5 In-vitro: Negative for bacterial reverse mutation test (OECD 471) in Salmonella typhimurium up to maximum plate concentration of 10 mg/plate, with and without metabolic activation.
11.8	<b>Carcinogenicity</b>	No components at levels greater than or equal to 0.1% are listed as carcinogens by IARC, US OSHA or NTP.
11.9	<b>Reproductive toxicity</b>	<b>Product Summary/Conclusion:</b> Classification criteria are not met. No data available to indicate product or any components present at greater than 0.1% cause reproductive or developmental effects.
		<b>Ethanol:</b> CAS 64-17-5 Two-Generation Reproduction Toxicity, OECD 416, Mouse, Oral: NOAEL 15%(20.7g/kg/day) (highest concentration tested) Prenatal Developmental Toxicity, OECD 414, Rat, Inhalation: NOAEL (maternal toxicity) 16,000ppm, NOAEL (teratogenicity)>20,000ppm (highest concentration tested)
11.10	<b>STOT-Single Exposure</b>	Not classified due to lack of data.
11.11	<b>STOT-Repeated Exposure</b>	<b>Product Summary/Conclusion:</b> Classification criteria are not met.
	<b>Exposure</b>	<b>Ethanol:</b> CAS 64-17-5 90-Day Oral Toxicity Mouse: NOAEL>9400mg/kg(total dose),LOAEL 9700mg/kg Repeated Dose Inhalation Toxicity, Rat, 4 weeks (6 hours/day,5 day/week): NOAEC>6130ppm
11.12	<b>Aspiration Hazard</b>	Not classified due to lack of data.

## Section 12. Ecological Information

### Eco Toxicity

#### Ingredients:

##### **Ethanol:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 13,400 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates :  
Exposure time: 48 h

Toxicity to algae : EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

Toxicity to daphnia and other aquatic invertebrates : NOEC (Daphnia magna (Water flea)): 9.6 mg/l  
(Chronic toxicity) Exposure time: 9 d

Toxicity to bacteria : EC50 (Photobacterium phosphoreum): 32.1 mg/l  
Exposure time: 0.25 h

**Conclusion / Summary** : Based on available data, the classification criteria are not met.

**Persistence & Degradability** : Not available

**Bioaccumulative Potential** : Ethanol (CAS 64-17-5): -0.31(log Pow)

**Mobility in soil** : No date available

**Other Adverse Effects** : No other known adverse environment effects or critical hazards.





## Section 13. Disposal Considerations

**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.

**Disposal Considerations** : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers.

**RCRA – Resource Conservation and Recovery Authorization Act Hazardous waste** : D001 (Ignitable)

## Section 14. Transport Information

	ADG	ADR/RID	IMDG	IATA
UN number	UN1170	UN1170	UN1170	UN1170
UN proper shipping name	ETHANOL SOLUTION	ETHANOL SOLUTION	ETHANOL SOLUTION	Ethanol solution
Transport hazard class(es)	3 	3 	3 	3 
Packing group	III	III	III	III
Environmental hazards	No.	No.	No.	No.

<b>ADG</b>	: <b>Hazchem code</b> •2Y <b>Special provisions</b> 144, 223
<b>ADR/RID</b>	: <b>Hazard identification number</b> 33 <b>Limited quantity</b> 1 L <b>Special provisions</b> 144 601 <b>Tunnel code</b> (D/E)
<b>IMDG</b>	: <b>Emergency schedules</b> F-E, S-D <b>Special provisions</b> 144, 223
<b>IATA</b>	: <b>Quantity limitation</b> Passenger and Cargo Aircraft: 60 L. Packaging instructions: 355. Cargo Aircraft Only: 220 L. Packaging instructions: 366. Limited Quantities - Passenger Aircraft: 10 L. Packaging instructions: Y344. <b>Special provisions</b> A3, A58, A180
<b>Special precautions for user</b>	: <b>Transport within user's premises:</b> always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
<b>Transport in bulk according to Annex II of MARPOL and the IBC Code</b>	: Not available.

## Section 15. Regulatory Information

### EPCRA - Emergency Planning and Community Right-to-Know

#### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

<b>SARA 311/312 Hazards</b>	: Fire Hazard Acute Health Hazard
<b>SARA 302</b>	: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
<b>SARA 313</b>	: The following components are subject to reporting levels established by SARA Title III, Section 313:

<b>California Prop 65</b>	This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.
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#### The ingredients of this product are reported in the following inventories:

AICS	: All ingredients listed or exempt.
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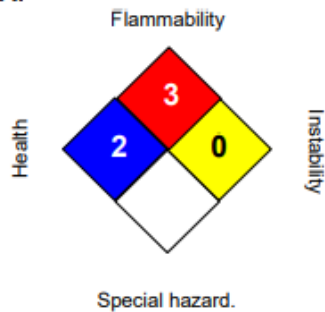
#### Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), NECSI (Taiwan), TSCA (USA)

## Section 16. Other Information

#### Further information

##### NFPA:



##### HMIS III:

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

#### Full text of other abbreviations

ACGIH	: USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI	: ACGIH - Biological Exposure Indices (BEI)
NIOSH REL	: USA. NIOSH Recommended Exposure Limits
OSHA Z-1	: USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
ACGIH / TWA	: 8-hour, time-weighted average
ACGIH / STEL	: Short-term exposure limit
NIOSH REL / TWA	: Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
NIOSH REL / ST	: STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday
OSHA Z-1 / TWA	: 8-hour time weighted average

#### Notice to Reader

To the best of our knowledge, the information contained herein is accurate. Our known hazards are described herein, however, we cannot guarantee that these are the only hazards that exist. Final determination of suitability of the product is the sole responsibility of the user.

Please read all labels carefully before using product.

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