



Surface Disinfectant Liquid (Non-Alcoholic)



**HYDROGEN PEROXIDE 1%**  
**MATERIAL SAFETY DATA SHEET (MSDS)**

**1. IDENTIFICATION OF SUBSTANCE AND MANUFACTURER**

<b>Product Identifier:</b>	Hydrogen Peroxide 1%
<b>Product Form:</b>	Liquid
<b>Product Use:</b>	Multi-Purpose Surface Disinfectant
<b>Supplier Details:</b>	EPLA Health Care
	D-12, ESTATE AVENUE, SITE KARACHI, PAKISTAN
	Tel: 92-021-32576126-30 Email: <a href="mailto:info@epla-labs.com">info@epla-labs.com</a>
	web: <a href="http://www.epla-labs.com">http://www.epla-labs.com</a>

**2. COMPOSITION AND INFORMATION ON INGREDIENTS**

**Mixture**

Name	Product Identifier	% (w/w)
Hydrogen peroxide	(CAS) 7722-84-1	1
Purified Water	(CAS) 7732-18-5	99

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

**3. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance (physical state)</b>	Liquid.
<b>Color</b>	Clear, colorless
<b>Odor</b>	Ozone-like
<b>Initial boiling point</b>	> 100°C
<b>Freezing point</b>	< 0°C
<b>Flash point</b>	Not available
<b>Upper / Lower flammability or explosive limits</b>	Not available
<b>Vapor pressure</b>	Approximately 18 mmHg
<b>Vapor density</b>	0.6 (air = 1)
<b>Specific gravity</b>	1.010
<b>Partition coefficient: n-octanol/water</b>	Not available
<b>Auto-ignition temperature</b>	Not available
<b>Solubility(ies)</b>	Soluble
<b>pH</b>	5 – 6.5

## 4. HAZARDS IDENTIFICATION

**GHS Classification for Mixture:**

Skin corrosion/irritation – Category 2  
 Eye damage/irritation – Category 2A

**GHS Label Elements:**



**Signal Word:**

**WARNING**

**Hazard Statements:**

May Cause Skin Irritation  
 May Cause Eye Irritation

**Precautionary Statements:**

Wash Face, Hands and any Exposed skin thoroughly in case of irritation.

**Response:**

**Effect on Skin:** Wash with plenty of SOAP and water  
 Specific Treatment (Check Supplemental First Aid Instructions on this label). If Skin irritation persists, Seek medical advice/ Attention.  
 Take of Contaminated clothing and wash it before reuse.  
**Effect on Eyes:** Rinse thoroughly with water for several Minutes.  
 If Irritation persists seek medical Consultation immediately.

**Storage:**

**None**

**Disposal:**

**None**

**Hazards Not Otherwise Classified:**

**Un- Identified.**

## 5. STABILITY AND REACTIVITY

<b>Reactivity:</b>	No available data
<b>Chemical Stability:</b>	This product is stable.
<b>Conditions to Avoid:</b>	None known based on information supplied
<b>Incompatible Materials:</b>	Strong acids. Strong oxidizing agents. Strong bases.

**Hazardous Decomposition Products:** Carbon oxides.



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### 6. FIRST AID MEASURES

#### Description of First Aid Measures

**Inhalation:** Expose to fresh air. Get medical attention immediately if symptoms appear.

**Skin Contact:** In the case of skin irritation or allergic reactions, wash off immediately with plenty of water. Seek medical attention if irritation persists.

**Eye Contact:** Irrigate abundantly with clean water, seek medical attention if required.

**Ingestion:** If swallowed don't try to induce vomiting and seek immediate medical attention.

#### Most important symptoms/effects, acute and delayed

Burning sensation

**Eyes:** Causes eye irritation.

**Skin:** May cause skin burns on sensitive skins.

#### Indication of Any Immediate Medical Attention and Special Treatment Needed Notes to physician:

### 7. FIRE FIGHTING MEASURES

#### Extinguishing Media

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

#### Special Hazards Arising from the Substance or Mixture

No information available

**Hazardous decomposition:** Carbon oxides.

**Special protective equipment for fire-fighters:** In the event of fire, wear self-contained breathing apparatus.

### 8. ACCIDENTAL RELEASE MEASURES

#### Personal Precautions, Protective Equipment and Emergency Procedures

Avoid contact with eyes and clothing. Ensure adequate ventilation. Use personal protective equipment (PPE) as required.

**Environmental precautions:** Refer to protective measures listed in Sections 7 and 8.  
Prevent further leakage or spillage if safe to do so.

#### Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

## 9. HANDLING AND STORAGE

### Precautions for Safe Handling

**General Procedures:** Handle in accordance with good industrial hygiene and safety practice. Avoid contact With skin, eyes or clothing while liquid handling. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

**Storage:** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

**Incompatible Products:** Strong acids. Strong oxidizing agents. Strong bases.

## 10. TRANSPORT INFORMATION

AUTHORITIES	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
UN number	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
Environmental hazards	No.	No.	No.	No.	No.	No.
SPECIAL PRECAUTIONS FOR USER	NONE.					

## 11. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations for Product

#### US Federal Regulations

##### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

##### **SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	<b>YES</b>
<b>Chronic Health Hazard</b>	<b>NO</b>
<b>Fire Hazard</b>	<b>NO</b>
<b>Sudden Release of Pressure Hazard</b>	<b>NO</b>
<b>Reactive Hazard</b>	<b>NO</b>

## 12. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Controls

There is no exposure data pertaining to the Product. This section reflects exposure data pertaining to individual ingredients.

### Occupational exposure limits

Ingredient name	Value Type (form of exposure)	Control Parameters/ Permissible concentration	Basis
Hydrogen peroxide	TWA	1 ppm (1.4 mg/m <sup>3</sup> )	OSHA
	TWA	1 ppm	ACGIH
	TWA	1 ppm (1.4 mg/m <sup>3</sup> )	NIOSH
	IDLH	75 ppm	NIOSH

### Appropriate engineering controls

Showers, Eyewash stations, Ventilation systems

**Respiratory protection:** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Eye protection:** Tight sealing safety goggles while liquid handling.

**Skin and body protection:** Wear protective gloves and protective clothing, long sleeved clothing and impervious gloves while liquid handling.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

## 13. TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects - Component

#### Acute Toxicity:

Ingredient name	LD <sub>50</sub> Oral	Species	LD <sub>50</sub> Dermal	Species	LC <sub>50</sub> Inhalation	Species
Hydrogen peroxide	801 mg/kg	Rat	4060 mg/kg 2000 mg/kg	Rat Rabbit	2 g/m <sup>3</sup> (4h)	Rat

- May cause skin redness.
- May cause redness and tearing of the eyes.
- May cause Blindness. Burning sensation in case of prolonged exposure.

### Irritation/Corrosion Information for Component Skin corrosion/irritation

**Skin irritation:** Remarks: Irritating to skin.

**Eye irritation:** Remarks: Irritating to eyes.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Sensitization** No information available.

### **Mutagenic Effects Carcinogenicity**

ACGIH (American Conference of Governmental Industrial Hygienists); A3 – Animal Carcinogen



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IARC (International Agency for Research	on Cancer); Group 3 - Not Classifiable as to Carcinogenicity in Humans
<b>Reproductive Toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Chronic Toxicity</b>	No known effect based on information supplied.
<b>Target Organ Effects</b>	Respiratory system, Eyes, Skin, Blood, Lungs.

## 14. DISPOSAL CONSIDERATIONS

**Disposal methods:** Transfer to a suitable container and arrange for collection by specialized waste management EPA approved firm or Can be discarded to waste water treatment installation. Avoid release to soil. Users need to pay attention to the possible existence of regional or national regulations regarding disposal. Disposal, treatment, or recycling of industrial waste must comply with applicable regulations to preserve the environment.

## 15. OTHER INFORMATION:

### INCLUDING INFORMATION ON PREPARATION AND REVISION OF THE SDS

#### Disclaimer

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**For More Information please contact**

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