



RL Hummate (Pvt) Ltd

103/2, G Block, Model Town,  
Lahore, Pakistan  
Tel: +92 42 35880103  
[www.rlenterpz.com](http://www.rlenterpz.com)  
Email: [info@rlenterpz.com](mailto:info@rlenterpz.com)  
NTN: 3384011-3  
GST REG NO. 32-77-8761-690-87

## Material Safety Data Sheet

### Hygen Liquid Sanitizer

#### Section 1 - Chemical Product and Company Identification

**MSDS Name:** Hygen Liquid Sanitizer

**Company Identification:** RL Hummate, Model Town, Lahore

**For information, call:** +92 42 35880103

**Emergency Number:** As per country

#### Section 2 - Composition, Information on Ingredients

Chemical Name	CAS No.	Percent
Ethanol	64-17-5	80%
Glycerin	56-81-5	1.5-1.6%
Hydrogen Per Oxide	7722-84-1	0.15-0.20%
Perfume	N/A	0.08 -0.12%
Water	7732-18-5	Balance



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## Section 3 - Hazards Identification

### GHS Classification

Flammable liquids : Category 3  
Eye irritation : Category 2B

**GHS Label Element**  
Hazards pictograms



Signal Word : Warning  
Hazard Statements : Flammable liquid and vapor.  
Causes eye irritation.  
Precautionary Statements : **Prevention:**  
Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
Keep container tightly closed  
**Response:**  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists: Get medical advice/attention. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.  
**Storage:**  
Store in a well-ventilated place. Keep cool.  
**Disposal:**  
Dispose of contents/container to an approved waste disposal plant.

## Section 4 - First Aid Measures

In case of eye contact : Flush eyes under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, seek medical/advice attention.  
In case of skin contact : If irritation persists, wash with water.  
If ingested : Contact a physician or Poison Control Center immediately. Do not induce vomiting never give anything by mouth to an unconscious person.  
If inhaled : Get medical attention if symptoms occur.  
Protection of first-aiders : No special precautions are necessary.  
Notes to physicians : Treat symptomatically.



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## Section 5 - Fire Fighting Measures

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 sources of ignition. Flash back possible over considerable distance. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Hazardous combustions products	:	Carbon oxides
Special protective equipment for fire-fighters	:	Use personal protective equipment.
Specific extinguishing methods	:	Use water spray to cool unopened 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.

## Section 6 - Accidental Release Measures

### **Personal precautions, protective equipment and emergency procedures:**

#### **For non-emergency personnel**

**Protective equipment:** Gloves. Protective goggles. Protective clothing. Large spills/in enclosed spaces: compressed air apparatus.

**Emergency procedures:** Keep upwind. Mark the danger area. Consider evacuation. Seal off low-lying areas. Close doors and windows of adjacent premises. Stop engines and no smoking. No naked flames or sparks. Spark- and explosion proof appliances and lighting equipment. Keep containers closed. Wash contaminated clothes.

#### **For emergency responders**

**Protective equipment:** Equip cleanup crew with proper protection.

**Emergency procedures:** Stop leak if safe to do so. Ventilate area.

#### **Environmental Precautions**

Prevent spreading in sewers.

#### **Methods and material for containment and cleaning up**

##### **For containment:**

Contain released substance, pump into suitable containers. Consult "Material-handling" to select material of containers. Plug the leak, cut off the supply. Dam up the liquid spill. Try to reduce evaporation. Measure the concentration of the explosive gas-air mixture. Dilute/disperse combustible gas/vapour with water curtain. Provide equipment/receptacles with earthing. Do not use compressed air for pumping over spills.

##### **Methods for cleaning up:**

Take up liquid spill into absorbent material, e.g.: dry sand/earth/vermiculite or powdered limestone. Scoop absorbed substance into closing containers. See "Material-handling" for suitable container materials. Damaged/cooled tanks must be emptied. Do not use compressed air for pumping over spills. Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.



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## Section 7 - Handling and Storage

- Handling : Avoid contact with eyes. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Keep away from fire, sparks and heated surfaces. Wash hands thoroughly after handling. Use only with adequate ventilation.
- 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.
- Storage temperature : 0 degree C to 45 degree C

## Section 8 - Exposure Controls, Personal Protection

Ingredients with workplace control parameters.

<u>Ingredients</u>	<u>CAS-No.</u>	<u>Form of Exposure</u>	<u>Permissible Concentration</u>	<u>Basis</u>
ETHANOL	64-17-5	TWA	1000 ppm	ACGIH STEL
ETHANOL	64-17-5	TWA	1900 mg/m3	OSHA

- Engineering measures : Good general ventilation should be sufficient to control workers exposure to airborne contamination.

### Personal protection

- Eyes : Eye protection should be used when splashing may occur.  
Hands : No protective equipment is needed under normal use.  
Skin : No protective equipment is needed under normal use.  
Respiratory : No protective equipment is needed under normal use.

## Section 9 - Physical and Chemical Properties

- Physical State:** Clear Liquid  
**Appearance:** Clear, Transparent Liquid  
**Boiling Point:** 76 - 90C ( 76C Ethanol)  
**Specific Gravity:** 0.78 – 0.82 @ 25C  
**pH:** 6.5 – 8.0  
**Solubility:** Soluble in water  
**Hazardous In:** Alcohol  
**Flash Point:** Closed Cup 13C



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## Section 10 - Stability and Reactivity

Stability	:	The product is stable under normal conditions.
Possibility of hazardous reactions	:	No dangerous reaction is known under conditions of normal use.
Conditions to avoid	:	Heat, flames, and sparks.
Incompatible materials	:	None known.
Hazardous decomposition products	:	Carbon oxides

## Section 11 - Toxicological Information

### Potential Health Effects

Eyes	:	Cause of irritation.
Skin	:	Health injuries are not known or expected under normal use.
Ingestion	:	Health injuries are not known or expected under normal use.
Inhalation	:	Health injuries are not known or expected under normal use.
Chronic exposure	:	Health injuries are not known or expected under normal use.

### Experience with Human Exposure

Eye contact	:	Redness, irritation.
Skin contact	:	No symptoms known or expected.
Ingestion	:	No symptoms known or expected.
Inhalation	:	No symptoms known or expected.

### Toxicity

Acute oral toxicity	:	Acute toxicity estimate: >5,000 mg/kg
Acute inhalation toxicity	:	No data available
Acute dermal toxicity	:	Acute toxicity estimate: >5,000 mg/kg
Skin corrosion/irritation	:	No data available
Serious eye damage/eye irritation	:	Mild eye irritation.
Respiratory or skin sensitization	:	No data available.

### Carcinogenicity

IARC	:	No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed human carcinogen by IARC.
OSHA	:	No ingredient of this product presents at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP	:	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.



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## Section 12 - Disposal Considerations

- Disposal methods : The product should not be allowed to enter drains, water courses or the soil. When 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.