

# OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

Regd Office: Unit no 12, 1st Floor,  
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## MATERIAL SAFETY DATA SHEET

### GOWER'S SOLUTION

(R.B.C. diluting fluid)

MSDS CAS: 13967-50-5

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

##### Section 1: Chemical Product

Product Name: GOWER'S SOLUTION

CAS#: Not Available.

Synonym: Not Available.

Chemical Name: Gower's Solution

Chemical Formula: Not Available.

Brand: OXFORD

##### Details Of The Supplier Of The Safety Data Sheet :

Company identification: OXFORD LAB FINE CHEM LLP  
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,  
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#### Section 2: Composition and Information on Ingredients

##### Composition:

Substance name	Contents	CAS No	EC No	Annex No	REACH Ref.	Classification
Acetic acid	> 1 < 5 %	64-19-7	200-580-7	607-002-00-6	----	R10 C; R35 ----- Skin Corr. 1A+ _ H314, Eye Dam 1 _ H318, Flam. Liq. 3 _ H226, Acute Tox. 4 (inhal) _ H332

## Section 2: Composition and Information on Ingredients (Continued)

Substance name	Contents	CAS No	EC No	Annex No	REACH Ref.	Classification
Water	> 75 < 99 %	7732-18-5	231-791-2	-----	-----	Not classified (DSD/DPD) ----- Not classified (GHS)

## Section 3: Hazards Identification

### Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45: Not classified.

### Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Health hazards: Eye irritation - Category 2A - Warning (CLP: Eye Irrit. 2) H319

Skin irritation - Category 2 - Warning (CLP: Skin Corr. 2) H315

### Label elements

Labelling EC 67/548 or EC 1999/45: Not classified.

Symbol(s): None.

R Phrase(s): None.

S Phrase(s): None.

Contains: Water - Acetic acid

### Labelling Regulation EC 1272/2008 (CLP)

#### Hazard statements:

H319: Causes serious eye irritation.

H315: Causes skin irritation.

### Precautionary statements

#### Prevention:

P280: Wear protective gloves, protective clothing, eye protection, face protection.

P264: Wash thoroughly after handling.

### Response:

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P332+P313: If skin irritation occurs: Get medical advice.

## Section 3: Hazards Identification (Continued)

**P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.**

**Remove contact lenses, if present and easy to do. Continue rinsing.**

**P363: Wash contaminated clothing before reuse.**

**Contains: Water - Acetic acid**

**Other hazards:**

**The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.**

## Section 4: First Aid Measures

**Description of first aid measures**

**Inhalation:** Assure fresh air breathing. Allow the victim to rest.

**Skin contact:** Wash contaminated clothing before reuse. Wash with plenty of soap and water. If skin irritation occurs: Specific treatment (see on this label). Get medical advice.

**Eye contact:** Get medical advice. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists:

**Ingestion:** Obtain emergency medical attention. Rinse mouth. Do NOT induce vomiting.

**Most important symptoms and effects, both acute and delayed**

**Symptoms relating to use:** Causes serious eye irritation. Causes skin irritation.

**Indication of any immediate medical attention and special treatment needed**

**General information:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

## Section 5: Fire and Explosion Data

**Extinguishing media**

**Suitable extinguishing media:** Foam. Dry powder. Carbon dioxide. Water spray. Sand.

**Unsuitable extinguishing media:** Do not use a heavy water stream.

**Surrounding fires:** Use water spray or fog for cooling exposed containers.

**Special hazards arising from the substance or mixture**

**Hazardous combustion products:** Under fire conditions, hazardous fumes will be present.

## Section 5: Fire and Explosion Data (Continued)

### Advice for fire-fighters

**Protection against fire:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Special procedures:** Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

## Section 6: Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

**For emergency responders:** Equip cleanup crew with proper protection. Ventilate area.

**For non-emergency personnel:** Evacuate unnecessary personnel.

### Environmental precautions:

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

### Methods and material for containment and cleaning up

**Clean up methods:** Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Store away from other materials. Collect spillage.

## Section 7: Handling and Storage

### Precautions for safe handling

**Handling:** Wash thoroughly after handling. Wash thoroughly after handling. Wash thoroughly after handling.

**Technical protective measures:** Provide good ventilation in process area to prevent formation of vapour.

### Conditions for safe storage, including any incompatibilities

**Storage:** Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

**Storage - away from:** Strong bases. Strong acids. Sources of ignition. Direct sunlight.

## Section 8: Exposure Controls/Personal Protection

### Exposure controls

### Personal protection

**Personal protection:** Avoid all unnecessary exposure.

**Respiratory protection:** Wear approved mask.

**Hand protection:** Wear protective gloves.

**Skin protection:** Wear suitable protective clothing.

**Eye protection:** Chemical goggles or safety glasses.

**Others:** When using, do not eat, drink or smoke.

### Control parameters

**Occupational Exposure Limits:** No data available.

## Section 9: Physical and Chemical Properties

<b>Physical state at 20 °C</b>	<b>: Liquid.</b>
<b>Colour</b>	<b>: Colorless</b>
<b>Odour</b>	<b>: Characteristic.</b>
<b>Odour threshold</b>	<b>: No data available.</b>
<b>pH value</b>	<b>: No data available.</b>
<b>Melting point [°C]</b>	<b>: No data available.</b>
<b>Decomposition point [°C]</b>	<b>: Not Available.</b>
<b>Critical temperature [°C]</b>	<b>: No data available.</b>
<b>Auto-ignition temperature [°C]</b>	<b>: No data available.</b>
<b>Flammability (solid, gas)</b>	<b>: Not Available.</b>
<b>Flash point [°C]</b>	<b>: No data available.</b>
<b>Boiling point [°C]</b>	<b>: Not Available.</b>
<b>Initial boiling point [°C]</b>	<b>: No data available.</b>
<b>Final boiling point [°C]</b>	<b>: No data available.</b>
<b>Evaporation rate</b>	<b>: Not Available.</b>
<b>Vapour pressure [20°C]</b>	<b>: No data available.</b>
<b>Vapour pressure mm/Hg</b>	<b>: Not Available.</b>
<b>Vapour density</b>	<b>: Not Available.</b>
<b>Density [g/cm<sup>3</sup>]</b>	<b>: Not Available.</b>
<b>Relative density, gas (air=1)</b>	<b>: Not Available.</b>
<b>Relative density, liquid (water=1)</b>	<b>: Not Available.</b>

## Section 9: Physical and Chemical Properties (Continued)

<b>Solubility in water [% weight]</b>	<b>: Not Available.</b>
<b>Solubility in water</b>	<b>: No data available.</b>
<b>Log Pow octanol / water at 20°C</b>	<b>: No data available.</b>
<b>Solubility</b>	<b>: Not Available.</b>
<b>Viscosity at 40°C [mm<sup>2</sup>/s]</b>	<b>: No data available.</b>

## Section 10: Stability and Reactivity Data

**Reactivity:** Not established

**Chemical stability:** Stable under recommended storage conditions.

**Hazardous reactions:** Not established.

**Conditions to avoid:** Direct sunlight. Extremely high or low temperatures.

**Materials to avoid:** Strong acids. Strong bases.

**Hazardous decomposition products:** Fumes. Carbon monoxide. Carbon dioxide.

## Section 11: Toxicological Information

**Information on toxicological effects**

**Toxicity information:** The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.

**Acute toxicity**

**Inhalation:** Based on available data, the classification criteria are not met.

**Dermal:** Based on available data, the classification criteria are not met.

**Ingestion:** Based on available data, the classification criteria are not met.

**Corrosion:** Based on available data, the classification criteria are not met.

**Irritation:** Causes serious eye irritation. Causes skin irritation.

**Sensitization:** Based on available data, the classification criteria are not met.

**Mutagenicity:** Based on available data, the classification criteria are not met.

**Carcinogenicity:** Based on available data, the classification criteria are not met.

## Section 11: Toxicological Information (Continued)

**Toxic for reproduction:** Based on available data, the classification criteria are not met.

**STOT-single exposure:** Based on available data, the classification criteria are not met.

**STOT-repeated exposure:** Based on available data, the classification criteria are not met.

**Aspiration hazard:** Based on available data, the classification criteria are not met.

## Section 12: Ecological Information

### Toxicity information:

The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.

Persistence - degradability: Biodegradable.

Bioaccumulative potential: Not established.

Mobility in soil: Not established.

### Results of PBT and vPvB assessment:

The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

Environmental precautions: Avoid release to the environment.

## Section 13: Disposal Considerations

### Waste treatment methods

**General:** Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

## Section 14: Transport Information

### Land transport (ADR-RID)

**General information:** Not regulated.



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## Section 14: Transport Information (Continued)

### Sea transport (IMDG) [English only]

**General information:** Not regulated.

### Air transport (ICAO-IATA) [English only]

**General information:** Not regulated.

## Section 15: Other Regulatory Information

**Safety, health and environmental regulations/legislation specific for the substance or mixture**  
**Safety, health and environmental regulations/legislation specific for the substance or mixture:**  
Ensure all national/local regulations are observed.

**REACH Restrictions - Annex XVII :** The components of this product are not subject to restrictions.

**REACH Authorisation - Annex XIV :** The components of this product are not subject to authorization.

**Chemical Safety Assessment:** It has not been carried out.

## Section 16 - Additional Information

**References:** Not available.

**Other Special Considerations:** Not available.



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