

## **MATERIAL SAFETY DATA SHEET**

### **PAPANICOLAOUS SOLUTION 1a (Hematoxylin Harris) MSDS CAS:**

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

##### **Section 1: Chemical Product**

**Product Name:** PAPANICOLAOUS SOLUTION 1a

**CAS#:**

**Synonym:** Not Available.

**Chemical Name:** Papanicolaous Solution 1a

**Chemical Formula:** Not Available.

**Brand:** OXFORD

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

**Company identification:** OXFORD LAB FINE CHEM LLP  
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#### **Section 2: Composition and Information on Ingredients**

##### **Composition:**

Substance name	Content s	CAS No	EC No	Annex No	REACH Ref.	Classification
PAPANICOLAOUS SOLUTION 1a HARRESHEMATOXY LIN SOLN	> 0.01 < 1 %		-----	-----	-----	R68 Xn; R22-68 Acute Tox. 4 (oral) _ H302 STOT SE 2 _ H371

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

Substance name	Contents	CAS No	EC No	Annex No	REACH Ref.	Classification
Ethanol	> 5 < 10 %	64-17-5	200-578-6	603-002-00-5	-----	R10 C; R35 ----- Skin Corr. 1A _ H314 Flam. Liq. 3 _ H226
MERCURIC OXIDE RED AR	> 0.01 < 1 %	21908-53-2	-----	-----	-----	T+; R26/27/28 R33 N; R50-53 ----- Acute Tox. 1 (skin) _ H310 Acute Tox. 2 (inhal) _ H330 Acute Tox. 1 (oral) _ H300 Aquatic Acute 1 _ H400 Aquatic Chronic 1 _ H410
GLYCEROL MONOSTEARATE	> 25 < 35 %	31566-31-1	-----	-----	-----	Not classified (DSD/DPD) ----- Not classified (GHS)
ALUMINIUM AMMONIUM SULPHATE (DODECAHYDRATE) EXTRA	> 1 < 5 %	7784-26-1	-----	-----	-----	Xi; R36/37/38 ----- Eye irrit 2 _ H319 Skin Irrit. 2 _ H315 STOT SE 3 _ H335
Water	> 50 < 75 %	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

Classification: Xn; R20/21/22, C; R34, R52-53

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

Health hazards: Acute toxicity, Oral - Category 3 - Danger (CLP: Acute Tox. 3) H301

Skin corrosion - Category 1A - Danger (CLP: Skin Corr. 1A) H314

Acute toxicity, dermal - Category 4 - Warning (CLP: Acute Tox. 4) H312

Acute toxicity, Inhalation - Category 4 - Warning (CLP: Acute Tox. 4) H332

## Section 3: Hazards Identification (Continued)

### Environmental hazards:

Hazardous to the aquatic environment - Chronic hazard - Category 3 (CLP : Aquatic Chronic 3) H412

### Label elements

#### Labelling EC 67/548 or EC 1999/45

#### R Phrase(s):

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

R34: Causes burns.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### S Phrase(s):

S24: Avoid contact with skin.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28: After contact with skin, wash immediately with

S35: This material and its container must be disposed of in a safe way.

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).

S59: Refer to manufacturer/supplier for information on recovery/recycling.

S61: Avoid release to the environment. Refer to special instructions/Safety data sheets.

### Contains:

Water - GLYCEROL MONOSTEARATE - Ethanol - ALUMINIUM AMMONIUM  
SULPHATE (DODECAHYDRATE) EXTRA - PAPANICOLAOS SOLUTION 1a  
HARRESHEMATOXYLIN SOLN. - MERCURIC OXIDE RED AR

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

#### Hazard statements:

H314: Causes severe skin burns and eye damage.

H301: Toxic if swallowed.

H312: Harmful in contact with skin.

H332: Harmful if inhaled.

H412: Harmful to aquatic life with long lasting effects.

### Precautionary statements

#### Prevention:

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

P271: Use only outdoors or in a well-ventilated area.

P260: Do not breathe dust, fume, gas, mist, vapours, and spray.

P273: Avoid release to the environment.

P264: Wash thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

## Section 3: Hazards Identification (Continued)

### **Response:**

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

**P301+P330+P331: IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting.

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

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

**P304+P340: IF INHALED:** Remove to fresh air and keep at rest in a position comfortable for breathing.

**P303+P361+P353: IF ON SKIN (or hair):** Remove immediately all contaminated clothing. Rinse skin with water/shower.

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

**Storage: P405:** Store locked up.

### **Disposal considerations:**

**P501:** Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### **Contains:**

Water - GLYCEROL MONOSTEARATE - Ethanol - ALUMINIUM AMMONIUM  
SULPHATE (DODECAHYDRATE) EXTRA - PAPANICOLAOS SOLUTION 1a  
HARRESHEMATOTOXYLIN SOLN. - MERCURIC OXIDE RED AR

### **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:**

Immediately call a POISON CENTER or doctor. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.

#### **Skin contact:**

Wash with plenty of soap and water. Specific treatment (see on this label). Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor. Remove/Take off immediately all contaminated clothing.

#### **Eye contact:**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

## Section 4: First Aid Measures (Continued)

**Ingestion:** Immediately call a POISON CENTER or doctor. Specific treatment (see on this label). Call a POISON CENTER or doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting.

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

**Symptoms relating to use:** Swallowing a small quantity of this material will result in serious health hazard. Causes severe skin burns and eye damage. May cause damage to organs. Repeated exposure to this material can result in absorption through skin causing significant health hazard. Danger of serious damage to health by prolonged exposure through inhalation.

### 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. Thermal decomposition generates: Corrosive vapours.

### 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. Avoid breathing dust, fume, gas, mist, vapours, and spray.

**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.

Avoid release to the environment.

### 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. Collect spillage. Store away from other materials.

## Section 7: Handling and Storage

### Precautions for safe handling

**Personal protection:** Do not breathe dust, fume, gas, mist, vapours, and spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

**Handling:** Do not breathe dust, fume, gas, mist, vapours, and spray. Avoid contact during pregnancy or while nursing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area.

**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 regulation:** Comply with applicable regulations.

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

## Section 8: Exposure Controls/Personal Protection

### Exposure controls

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

**Respiratory protection:** In case of insufficient ventilation, wear suitable respiratory equipment.

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

## Section 8: Exposure Controls/Personal Protection (Continued)

**Hand protection:** Wear protective gloves.

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

**Eye protection:** Chemical goggles or face shield.

**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>: Dark wine red</b>
<b>Odour</b>	<b>: Odourless</b>
<b>Molecular Weight</b>	<b>: Not available.</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>: 362°C</b>
<b>Flammability (solid, gas)</b>	<b>: No data available.</b>
<b>Flash point [°C]</b>	<b>: 13°C</b>
<b>Boiling point [°C]</b>	<b>: 78 °C</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>: 1.59</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>
<b>Solubility in water [% weight]</b>	<b>: Soluble in water</b>

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

Solubility in water	: No data available.
Log Pow octanol / water at 20°C	: No data available.
Solubility	: 2.5 - 3.0
Viscosity at 40°C [mm <sup>2</sup> /s]	: No data available.

## Section 10: Stability and Reactivity Data

**Reactivity:** Not established.

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

**Possibility of hazardous reactions:** Not established.

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

**Incompatible materials:** Strong acids. Strong bases.

**Hazardous decomposition products:** Fumes. Carbon monoxide. Carbon dioxide. Thermal decomposition generates: Corrosive vapours.

## 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:** Harmful if inhaled.

**Dermal:** Harmful in contact with skin.

**Ingestion:** Toxic if swallowed. Harmful if swallowed.

**Corrosion:** Causes severe skin burns and eye damage.

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

## Section 11: Toxicological Information (Continued)

**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.

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

**STOT-single exposure:** Causes damage to organ.

**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:** Harmful to aquatic life with long lasting effects.

**Persistence - degradability:** May cause long-term adverse effects in the environment.

**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.

**Other adverse effects**

**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. Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

**Special precautions:** Hazardous waste due to toxicity.

## Section 14: Transport Information

### Land transport (ADR-RID)

General information: Not regulated.

### 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

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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