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MATERIAL SAFETY DATA SHEET (MSDS)

PAPANICOLAOUS SOLUTION 1a HARRIS HEMATOXYLIN SOLN.

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : PAPANICOLAOUS SOLUTION 1a HARRIS HEMATOXYLIN SOLN.

Product code : SI0309500125
 CAS No: N-A

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use : Industrial. For professional use only.

1.3. Details of the supplier of the safety data sheet

Company identification : SUVCHEM
 Chaitanya Tower, 2nd Floor, Office # 206,
 Siddharth Nagar, S.V. Road,
 Goregaon (West), Mumbai - 400062,
 Maharashtra, India.
 Contact: +91 22 28725393 / 94 / 95
 Email ID: info@suvchem.com/care@suvchem.com

1.4. Emergency telephone number

Phone no. : + 91 22 28725393 / 94 / 95 (9:00am - 6:00 pm) [Office hours]

2. Hazards identification -DSD

2.1. 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

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

2.2. Label elements

Labelling EC 67/548 or EC 1999/45

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PAPANICOLAOUS SOLUTION 1a HARRIS HEMATOXYLIN SOLN.
2. Hazards identification -DSD (continued)
Symbol(s)

Symbol(s)

: C : Corrosive

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 - PAPANICOLAOUS SOLUTION 1a HARRESHEMATOXYLIN SOLN. - MERCURIC OXIDE RED AR

Labelling Regulation EC 1272/2008 (CLP)
Hazard pictograms

Signal words

: Danger

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, spray.

P273: Avoid release to the environment.

P264: Wash thoroughly after handling.

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

• 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.

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PAPANICOLAOUS SOLUTION 1a HARRIS HEMATOXYLIN SOLN.

2. Hazards identification -DSD (continued)

- 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 - PAPANICOLAOUS SOLUTION 1a HARRESHEMATOXYLIN SOLN. - MERCURIC OXIDE RED AR

2.3. Other hazards

- 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.

3. Composition/information on ingredients

Substance / Preparation		: Preparation.					
Hazardous component(s)		: This product is hazardous.					
Substance name	Contents	CAS No	EC No	Annex No	REACH Ref.	Classification	
PAPANICOLAOUS SOLUTION 1a : HARRESHEMATOXYLIN SOLN.	> 0.01 < 1 %		----	----	----	R68 Xn; R22-68 Acute Tox. 4 (oral) _ H302 STOT SE 2 _ H371	
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)	

4. First aid measures

4.1. 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.

MATERIAL SAFETY DATA SHEET (MSDS)
PAPANICOLAOUS SOLUTION 1a HARRIS HEMATOXYLIN SOLN.
4. First aid measures (continued)

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.
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.

4.2. 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.
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4.3. 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).
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5. Fire-fighting measures
5.1. 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.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	: Under fire conditions, hazardous fumes will be present. Thermal decomposition generates : Corrosive vapours.
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5.3. 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.

6. Accidental release measures
6.1. Personal precautions, protective equipment and emergency procedures

MATERIAL SAFETY DATA SHEET (MSDS)
PAPANICOLAOUS SOLUTION 1a HARRIS HEMATOXYLIN SOLN.
6. Accidental release measures (continued)

- For emergency responders** : Equip cleanup crew with proper protection.
Ventilate area.
Avoid breathing dust, fume, gas, mist, vapours, spray.
- For non-emergency personnel** : Evacuate unnecessary personnel.

6.2. Environmental precautions

- Environmental precautions** : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.
Avoid release to the environment.

6.3. 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.

6.4. Reference to other sections

See section 8. Exposure controls/personal protection

7. Handling and storage
7.1. Precautions for safe handling

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

7.2. 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.

7.3. Specific end use(s)

- Specific end use(s)** : None.

8. Exposure controls/personal protection
8.1. Exposure controls

MATERIAL SAFETY DATA SHEET (MSDS)
PAPANICOLAOUS SOLUTION 1a HARRIS HEMATOXYLIN SOLN.
8. Exposure controls/personal protection (continued)
Personal protection

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.

• 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.

8.2. Control parameters
Occupational Exposure Limits

: No data available.

9. Physical and chemical properties
9.1. Information on basic physical and chemical properties

Physical state at 20 °C	: Liquid.
Colour	: Dark wine red
Odour	: Odourless
Odour threshold	: No data available.
pH value	: No data available.
Melting point [°C]	: No data available.
Decomposition point [°C]	: N/A
Critical temperature [°C]	: No data available.
Auto-ignition temperature [°C]	: 362°C
Flammability (solid, gas)	: No data available.
Flash point [°C]	: 13°C
Boiling point [°C]	: 78 °C
Initial boiling point [°C]	: No data available.
Final boiling point [°C]	: No data available.
Evaporation rate	: N/A
Vapour pressure [20°C]	: No data available.
Vapour pressure mm/Hg	: N/A
Vapour density	: 1.59
Density [g/cm ³]	: N/A
Relative density, gas (air=1)	: N/A

MATERIAL SAFETY DATA SHEET (MSDS)
PAPANICOLAOUS SOLUTION 1a HARRIS HEMATOXYLIN SOLN.
9. Physical and chemical properties (continued)

Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: Soluble in water
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 ² /s]	: No data available.

9.2. Other information

Explosive properties	: N/A
Explosion limits - upper [%]	: No data available.
Explosion limits - lower [%]	: No data available.
Oxidising properties	: No data available.

10. Stability and reactivity
10.1. Reactivity

Reactivity	: Not established.
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10.2. Chemical stability

Chemical stability	: Stable under recommended storage conditions.
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10.3. Possibility of hazardous reactions

Hazardous reactions	: Not established.
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10.4. Conditions to avoid

Conditions to avoid	: Direct sunlight. Extremely high or low temperatures.
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10.5. Incompatible materials

Materials to avoid	: Strong acids. Strong bases.
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10.6. Hazardous decomposition products

Hazardous decomposition products	: Fumes. Carbon monoxide. Carbon dioxide. Thermal decomposition generates : Corrosive vapours.
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11. Toxicological information
11.1. Information on toxicological effects

MATERIAL SAFETY DATA SHEET (MSDS)
PAPANICOLAOUS SOLUTION 1a HARRIS HEMATOXYLIN SOLN.
11. Toxicological information (continued)

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.
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.

12. Ecological information
12.1. Toxicity

Toxicity information	: Harmful to aquatic life with long lasting effects.
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12.2. Persistence - degradability

Persistence - degradability	: May cause long-term adverse effects in the environment.
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12.3. Bioaccumulative potential

Bioaccumulative potential	: Not established.
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12.4. Mobility in soil

Mobility in soil	: Not established.
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12.5. Results of PBT and vPvB assessment

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.
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12.6. Other adverse effects

Environmental precautions	: Avoid release to the environment.
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MATERIAL SAFETY DATA SHEET (MSDS)
PAPANICOLAOUS SOLUTION 1a HARRIS HEMATOXYLIN SOLN.
13. Disposal considerations
13.1. 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.

14. Transport information
14.1. Land transport (ADR-RID)

General information	: Not regulated.
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14.2. Sea transport (IMDG) [English only]

General information	: Not regulated.
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14.3. Air transport (ICAO-IATA) [English only]

General information	: Not regulated.
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15. Regulatory information
15.1. 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.

15.2. Chemical Safety Assessment

Chemical Safety Assessment	: It has not been carried out.
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16. Other information

Revision	: Revision - See : *
Abbreviations and acronyms	: PBT: persistent, bioaccumulative and toxic. vPvB: very persistent and very bioaccumulative
Sources of key data used	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

MATERIAL SAFETY DATA SHEET (MSDS)

PAPANICOLAOUS SOLUTION 1a HARRIS HEMATOXYLIN SOLN.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

DISCLAIMER:

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
- **SUVCHEM** shall not be responsible for any damage resulting from handling or from contact with the above product.
- **SUVCHEM** provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

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