

MATERIAL SAFETY DATA SHEET (MSDS)
PAPANICOLAOUS SOLUTION 3b POLYCHROMATIC SOLUTION (EA350) (FOR CYOTOLOGY)
1. Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Trade name : PAPANICOLAOUS SOLUTION 3b POLYCHROMATIC SOLUTION (EA350) (FOR CYOTOLOGY)

Product code : SI0309700250
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 : Muta. Cat. 3; R68
Xn; R20/21/22
C; R35

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

Health hazards : Germ cell mutagenicity - Category 2 - Warning (CLP : Muta. 2) H341
Skin corrosion - Category 1A - Danger (CLP : Skin Corr. 1A) H314

2.2. Label elements
Labelling EC 67/548 or EC 1999/45

Symbol(s)



Symbol(s) : C : Corrosive

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2. Hazards identification -DSD (continued)

R Phrase(s)	: R20/21/22 : Harmful by inhalation, in contact with skin and if swallowed. R35 : Causes severe burns. R68/20/21/22 : Harmful : possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.
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). S53 : Avoid exposure - obtain special instructions before use. S59 : Refer to manufacturer/supplier for information on recovery/recycling.
Contains	: Ethanol - Methanol - Water - EOSINE YELLOW C.I.No.45380 - BISMARK BROWN (R) C.I.NO.21010 - PHOSPHOTUNGSTIC ACID EXTRA PURE - FAST AREEN FCF C.I.No.42053

Labelling Regulation EC 1272/2008 (CLP)
Hazard pictograms


Signal words	: Danger
Hazard statements	: H314 : Causes severe skin burns and eye damage. H341 : Suspected of causing genetic defects.
Precautionary statements	
• General	: P201: Obtain special instructions before use.
• Prevention	: P280: Wear protective gloves, protective clothing, eye protection, face protection. P260: Do not breathe dust, fume, gas, mist, vapours, spray. P264: Wash thoroughly after handling.
• Response	: P301+P330+P331: IF SWALLOWED : Rinse mouth. Do NOT induce vomiting. P308+P313: If exposed or concerned : get medical advice. 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	: Ethanol - Methanol - Water - EOSINE YELLOW C.I.No.45380 - BISMARK BROWN (R) C.I.NO.21010 - PHOSPHOTUNGSTIC ACID EXTRA PURE - FAST AREEN FCF C.I.No.42053

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MATERIAL SAFETY DATA SHEET (MSDS)

PAPANICOLAOS SOLUTION 3b POLYCHROMATIC SOLUTION (EA350) (FOR CYTOLOGY)

2. Hazards identification -DSD (continued)

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
EOSINE YELLOW C.I.No.45380	: > 0.01 < 1 %	17372-87-1	----	----	----	Xi; R36 Eye irrit 2 _ H319 Not classified (DSD/DPD) Not classified (GHS)
BISMARCK BROWN (R) C.I.NO. 21010	: > 0.1 < 1 %	5421-66-9	----	----	----	C; R34 Skin Corr. 1B _ H314
PHOSPHOTUNGSTIC ACID EXTRA PURE	: > 0.01 < 1 %	12501-23-4	----	----	----	R68 Xn; 68 STOT SE 2 _ H371
FAST AREEN FCF C.I.No.42053	: > 0.01 < 1 %	2353-45-9	----	----	----	F; R11 T; R23/24/25-39/23/24/25 Flam. Liq. 2 _ H225 Acute Tox. 3 (skin) _ H311 Acute Tox. 3 (inhal) _ H331 Acute Tox. 3 (oral) _ H301 STOT SE 1 _ H370
Methanol	: > 1 < 5 %	67-56-1	200-659-6	603-001-00-X	----	Not classified (DSD/DPD) Not classified (GHS)
Water	: > 1 < 5 %	7732-18-5	231-791-2	----	----	R10 C; R35 Skin Corr. 1A _ H314 Flam. Liq. 3 _ H226
Ethanol	: > 75 < 99 %	64-17-5	200-578-6	603-002-00-5	----	

4. First aid measures

4.1. Description of first aid measures

Inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor.

Skin contact : Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing. Immediately call a POISON CENTER or doctor.

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. Do NOT induce vomiting. Rinse mouth.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms relating to use : Suspected of causing genetic defects.
 Causes severe skin burns and eye damage.

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4. First aid measures (continued)
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).

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.

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

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

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

MATERIAL SAFETY DATA SHEET (MSDS)
PAPANICOLAOUS SOLUTION 3b POLYCHROMATIC SOLUTION (EA350) (FOR CYTOLOGY)
6. Accidental release measures (continued)

See section 8. Exposure controls/personal protection

7. Handling and storage
7.1. Precautions for safe handling

- Handling** : Obtain special instructions before use. Use personal protective equipment as required. Wash thoroughly after handling. Avoid contact during pregnancy or while nursing. Do not breathe dust, fume, gas, mist, vapours, spray.
- 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
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 face shield.
 - **Others** : When using, do not eat, drink or smoke.

8.2. Control parameters

- Occupational Exposure Limits** : No data available.
- Occupational Exposure Limits** : Methanol : OEL (UK)-LTEL [ppm] : 200
 Methanol : OEL (UK)-STEL [ppm] : 250
 Methanol : ILV (EU) - 8 H - [mg/m³] : (260 Skin.)
 Methanol : ILV (EU) - 8 H - [ppm] : (200 Skin.)
 Methanol : HTP-värden - 8 H - [ppm] : 200
 Methanol : HTP-värden - 15min - [ppm] : 250

MATERIAL SAFETY DATA SHEET (MSDS)
PAPANICOLAOUS SOLUTION 3b POLYCHROMATIC SOLUTION (EA350) (FOR CYTOLOGY)
8. Exposure controls/personal protection (continued)

Methanol : HTP-värden - 8 H - [mg/m³] : 270
 Methanol : HTP-värden - 15min - [mg/m³] : 330
 Methanol : NGV - [ppm] : 200
 Methanol : NGV - [mg/m³] : 250
 Methanol : KTV - [ppm] : 250
 Methanol : KTV - [mg/m³] : 350
 Methanol : VLA-ED [ppm] : 200
 Methanol : VLA-ED [mg/m³] : 266
 Methanol : VLA-EC [ppm] : 250
 Methanol : VLA-EC [mg/m³] : 333

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

Physical state at 20 °C	: Liquid.
Colour	: Green Purple
Odour	: Alcoholic
Odour threshold	: 160 ppm
pH value	: No data available.
Melting point [°C]	: -97.8°C
Decomposition point [°C]	: N/A
Critical temperature [°C]	: No data available.
Auto-ignition temperature [°C]	: 422°C
Flammability (solid, gas)	: Flammable.
Flash point [°C]	: 12°C
Boiling point [°C]	: 64.5°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	: 97.68 mm of Hg (@ 20°C)
Vapour density	: 1.59
Density [g/cm ³]	: 0.81
Relative density, gas (air=1)	: N/A
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	: 7
Viscosity at 40°C [mm ² /s]	: No data available.

9.2. Other information

MATERIAL SAFETY DATA SHEET (MSDS)
PAPANICOLAOUS SOLUTION 3b POLYCHROMATIC SOLUTION (EA350) (FOR CYTOLOGY)
9. Physical and chemical properties (continued)

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

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	: Causes severe skin burns and eye damage.
Irritation	: Based on available data, the classification criteria are not met.

MATERIAL SAFETY DATA SHEET (MSDS)
PAPANICOLAOUS SOLUTION 3b POLYCHROMATIC SOLUTION (EA350) (FOR CYTOLOGY)
11. Toxicological information (continued)

Sensitization	: Based on available data, the classification criteria are not met.
Mutagenicity	: Suspected of causing genetic defects.
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	: 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.

12. Ecological information
12.1. Toxicity

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

Persistence - degradability	: Biodegradable.
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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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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.
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MATERIAL SAFETY DATA SHEET (MSDS)
PAPANICOLAOUS SOLUTION 3b POLYCHROMATIC SOLUTION (EA350) (FOR CYTOLOGY)
14. Transport information
14.1. Land transport (ADR-RID)

Proper shipping name : FLAMMABLE LIQUID, TOXIC, N.O.S.
 UN N° : 1992
 H.I. nr : 336
 ADR - Class : 3
 Labelling - Transport : 3 : Flammable liquid. 6.1 : Toxic substances.



ADR - Classification code : FT1
 ADR - Group : II
 ADR - Packing instructions : P001
 ADR - Tunnel code : D/E : Bulk or tank carriage: Passage forbidden through tunnels of category D and E. Other carriage: Passage forbidden through tunnels of category E.


14.2. Sea transport (IMDG). [English only]

Proper shipping name : FLAMMABLE LIQUID, TOXIC, N.O.S.
 UN N° : 1992
 IMO-IMDG - Class or division : 3 : Flammable liquid. (6.1 : Toxic substances.)
 IMO-IMDG - Packing group : II
 IMO-IMDG - Packing instructions : P001
 IMO-IMDG - Limited quantities : 1 L
 IMO-IMDG - Marine pollution : Yes
 EMS-Nr : F-E S-D

14.3. Air transport (ICAO-IATA). [English only]

Proper shipping name : FLAMMABLE LIQUID, TOXIC, N.O.S.
 UN N° : 1992
 IATA - Class or division : 3 : Flammable liquid. (6.1 : Toxic substances.)
 IATA - Packing group : II
 IATA - Passenger and Cargo Aircraft : ALLOWED
 - Passenger and Cargo - Packing instruction : 352
 - Passenger and Cargo - Maximum Quantity/Packing : 1 L

MATERIAL SAFETY DATA SHEET (MSDS)
PAPANICOLAOU SOLUTION 3b POLYCHROMATIC SOLUTION (EA350) (FOR CYTOLOGY)
14. Transport information (continued)

IATA - Cargo only	: ALLOWED
- Cargo only - Packing instruction	: 364
- Cargo only - Maximum Quantity/ Packing	: 60 L
IATA - Limited Quantities	: 1 L
ERG-Nr	: 3HP

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
List of relevant R phrases (heading 3)	: R10 : Flammable. R11 : Highly flammable. R23/24/25 : Toxic by inhalation, in contact with skin and if swallowed. R34 : Causes burns. R35 : Causes severe burns. R36 : Irritating to eyes. R39/23/24/25 : Toxic : danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. R68 : Possible risks of irreversible effects.
List of full text of H-statements in section 3	: H225 : Highly flammable liquid and vapour. H226 : Flammable liquid and vapour. H301 : Toxic if swallowed. H311 : Toxic in contact with skin. H314 : Causes severe skin burns and eye damage. H319 : Causes serious eye irritation. H331 : Toxic if inhaled. H370 : Causes damage to organ.

MATERIAL SAFETY DATA SHEET (MSDS)

PAPANICOLAOUS SOLUTION 3b POLYCHROMATIC SOLUTION (EA350) (FOR CYTOLOGY)

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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