



Diagnostic BioSystems

Safety Data Sheet Papanicolaou Red Stain Kit OSHA

SECTION 1: Identification

1.1 GHS Product identifier

Product name	Papanicolaou Red Stain Kit OSHA
Product number	KT038
Brand	Papanicolaou Red Stain Kit

1.2 Other means of identification

Component 1: Hematoxylin, Mayer's (Lillie's Modification)
Component 2: OG-6 Solution
Component 3: EA-50 Stain Solution

1.3 Recommended use of the chemical and restrictions on use

In Vitro Diagnostic Use

1.4 Supplier's details

Name	Diagnostic Biosystems
Address	6616 Owens Drive Pleasanton CA 94588 USA
Telephone	(888) 896-3350
email	customersupport@dbiosys.com

1.5 Emergency phone number

(925) 484-3350 (9AM-6PM, Monday - Friday, Pacific Standard Time)

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Eye damage/irritation (C.4.5), Cat. 2A
- Skin corrosion/irritation (C.4.4), Cat. 2

2.2 GHS label elements, including precautionary statements

Pictogram

Safety Data Sheet
Papanicolaou Red Stain Kit OSHA



1. Exclamation mark

Signal word

Warning

Hazard statement(s)

H315
H317
H319
H332

Causes skin irritation
May cause an allergic skin reaction
Causes serious eye irritation
Harmful if inhaled

Precautionary statement(s)

P261
P271
P272
P280
P302+P352
P304+P340
P312
P333+P313
P362+P364
P501
P264
P305+P351+P338

P337+P313

Avoid breathing dust/fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN: Wash with plenty of water.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER/doctor if you feel unwell.
If skin irritation or rash occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
Dispose of contents/container to a licensed disposal company.
Wash hands thoroughly after handling.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Component 1: Hematoxylin, Mayer's (Lillie's Modification)

1. Glycerin

Concentration <= 35 % (volume)

Other names / synonyms

1,2,3-Propanetriol; 1,2,3-TRIHIDROXYPROPANE; 90 TECHNICAL GLYCERINE; GLYCERIN, ANHYDROUS; GLYCERIN, SYNTHETIC; Glycerin, U.S.P.; GLYCERINE; Glycerine ; GLYCERITOL; Glycerol; Glycerolum; GLYCYL ALCOHOL; SYNTHETIC GLYCERINE; TRIHYDROXYPROPANE

EC no.

200-289-5

CAS no.

56-81-5

2. Aluminum sulfate

Concentration <= 5 % (weight)

Safety Data Sheet

Papanicolaou Red Stain Kit OSHA

Other names / synonyms Aluminii sulfas; Aluminium sulfate; Aluminium sulphate; Sulfuric acid, aluminum salt (3:2)
CAS no. 10043-01-3

3. Acetic acid

Concentration <= 2 % (volume)

Other names / synonyms acetic acid; ACETIC ACID; ACETIC ACID, GLACIAL; ACETICACID; Acidum aceticum; ETHANOIC ACID; ETHYLIC ACID; GLACIAL ACETIC ACID; METHANECARBOXYLIC ACID; UN 2789; UN 2790; VINEGAR ACID

EC no. 200-580-7

CAS no. 64-19-7

Index no. 607-002-00-6

- Flammable liquids (chapter 2.6), Cat. 3
- Skin corrosion/irritation (chapter 3.2), Cat. 1A

H226

Flammable liquid and vapor

H314

Causes severe skin burns and eye damage

SCLs/M-factors/ATEs

Skin Corr. 1A; H314: C ≥ 90 %

Skin Corr. 1B; H314: 25 % ≤ C < 90 %

Skin Irrit. 2; H315: 10 % ≤ C < 25 %

Eye Irrit. 2; H319: 10 % ≤ C < 25 %

4. HEMATOXYLIN

Concentration <= 1 % (weight)

Other names / synonyms Benz[b]indeno[1,2-d]pyran-3,4,6a,9,10(6H)-pentol, 7,11b-dihydro-, cis-(++)-;
CAS no. 517-28-2

Component 2: OG-6 Solution

1. Alcohol

Concentration <= 75 % (volume)

Other names / synonyms ABSOLUTE ETHANOL; ALCOHOL DEHYDRATED; ALCOHOL, ANHYDROUS; Alcoholum / ethanolum; ALGRAIN; ANHYDROL; COLOGNE SPIRIT; COLOGNE SPIRITS (ALCOHOL); Ethanol; ETHANOL 200 PROOF; ETHANOL SOLUTION; ETHYL ALCOHOL; ETHYL ALCOHOL ANHYDROUS; ETHYL HYDRATE; ETHYL HYDROXIDE; FERMENTATION ALCOHOL; GRAIN ALCOHOL; JAYSOL; JAYSOL S; METHYLCARBINOL; MOLASSES ALCOHOL; NCI-C03134; POTATO ALCOHOL; SD ALCOHOL 23-HYDROGEN; SPIRIT; SPIRITS OF WINE; TECSOL; UN 1170

EC no. 200-578-6

CAS no. 64-17-5

Index no. 603-002-00-5

- Flammable liquids (chapter 2.6), Cat. 2

Safety Data Sheet

Papanicolaou Red Stain Kit OSHA

H225 Highly flammable liquid and vapor

2. Propylene glycol

Concentration <= 15 % (volume)

Other names / synonyms 1,2-DIHYDROXYPROPANE; 1,2-Propanediol; 1,2-PROPYLENE GLYCOL; ALPHA-PROPYLENEGLYCOL; DOWFROST; METHYL GLYCOL; METHYLETHYLENE GLYCOL; MONOPROPYLENE GLYCOL; PG 12; Propane-1,2-diol; PROPANEDIOL, 1,2-; PROPYLENE GLYCOL USP; Propylenglycol; SIRLENE; SOLAR WINTER BAN; TRIMETHYL GLYCOL

EC no. 200-338-0

CAS no. 57-55-6

3. Ci 16230

Concentration <= 0.5 % (weight)

Other names / synonyms 1,3-Naphthalenedisulfonic acid, 7-hydroxy-8-(phenylazo)-, disodium salt; C.I. ACID ORANGE 10; Disodium 7-hydroxy-8-phenylazonaphthalene-1,3-disulphonate

CAS no. 1936-15-8

Component 3: EA-50 Stain Solution

1. Alcohol

Concentration <= 85 % (volume)

Other names / synonyms ABSOLUTE ETHANOL; ALCOHOL DEHYDRATED; ALCOHOL, ANHYDROUS; Alcoholum / ethanolum; ALGRAIN; ANHYDROL; COLOGNE SPIRIT; COLOGNE SPIRITS (ALCOHOL); Ethanol; ETHANOL 200 PROOF; ETHANOL SOLUTION; ETHYL ALCOHOL; ETHYL ALCOHOL ANHYDROUS; ETHYL HYDRATE; ETHYL HYDROXIDE; FERMENTATION ALCOHOL; GRAIN ALCOHOL; JAYSOL; JAYSOL S; METHYLCARBINOL; MOLASSES ALCOHOL; NCI-C03134; POTATO ALCOHOL; SD ALCOHOL 23-HYDROGEN; SPIRIT; SPIRITS OF WINE; TECSOL; UN 1170

EC no. 200-578-6

CAS no. 64-17-5

Index no. 603-002-00-5

- Flammable liquids (chapter 2.6), Cat. 2

H225 Highly flammable liquid and vapor

2. Isopropyl alcohol

Concentration <= 5 % (volume)

Safety Data Sheet

Papanicolaou Red Stain Kit OSHA

Other names / synonyms 2-HYDROXYPROPANE; 2-Propanol; 2-PROPYL ALCOHOL; ALCOJEL; ALCOSOLVE; ALCOSOLVE 2; AVANTIN; AVANTINE; CHROMAR; COMBI-SCHUTZ; DIMETHYLCARBINOL; HARTOSOL; IMSOL A; ISOHOL; Isopropyl alcohol; LUTOSOL; N-PROPAN-2-OL; PETROHOL; PRO; PROPAN-2-OL; Propan-2-ol, isopropanol; PROPOL; reaction mass of: bis(1S,2S,4S)-(1-benzyl-4-tert-butoxycarboxamido-2-hydroxy-5-phenyl)pentylammonium succinate; SEC-PROPYL ALCOHOL; SPECTRAR; STERISOL HAND DISINFECTANT; TAKINEOCOL; UN 1219

EC no. 414-810-0
CAS no. 67-63-0
Index no. 607-403-00-6

- Flammable liquids (chapter 2.6), Cat. 2
- Eye damage/irritation (chapter 3.3), Cat. 2A
- Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3
- Specific target organ toxicity, repeated exposure (chapter 3.9), Cat. 2
- Eye damage/irritation (chapter 3.3), Cat. 1
- Hazardous to the aquatic environment, short-term (acute) (chapter 4.1), Cat. 1
- Hazardous to the aquatic environment, long-term (chronic) (chapter 4.1), Cat. 1

H225 Highly flammable liquid and vapor
H318 Causes serious eye damage
H319 Causes serious eye irritation
H335 May cause respiratory irritation
H336 May cause drowsiness or dizziness
H373 May cause damage to organs through prolonged or repeated exposure
H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects

3. Ci 45380

Concentration <= 0.3 % (weight)

Other names / synonyms Disodium 2-(2,4,5,7-tetrabromo-6-oxido-3-oxoxanthen-9-yl)benzoate; EOSIN; Spiro[isobenzofuran-1(3H),9'-[9H]xanthen]-3-one, 2',4',5',7'-tetrabromo-3',6'-dihydroxy-, disodium salt

CAS no. 17372-87-1

4. LIGHT GREEN SF, YELLOWISH

Concentration <= 0.05 % (weight)

Other names / synonyms Benzenemethanaminium, N-ethyl-N-[4-[[4-[ethyl[(3-sulfophenyl)methyl]amino]phenyl](4-sulfophenyl)methylene]-2,5-cyclohexadien-1-ylidene]-3-sulfo-, hydroxide, inner salt, disodium salt;

CAS no. 5141-20-8

5. C.I. BASIC BROWN 1

Concentration <= 0.05 % (weight)

Other names / synonyms 1,3-Benzenediamine, 4,4'-[1,3-phenylenebis(azo)]bis-, dihydrochloride;

Safety Data Sheet

Papanicolaou Red Stain Kit OSHA

CAS no. 10114-58-6

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled If breathed in, move person into fresh air. If not breathing, give artificial respiration.

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

In case of skin contact Rinse with plenty of water. Get medical attention if irritation develops and persists.

In case of eye contact Rinse thoroughly with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.

If swallowed Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

Acute and delayed symptoms and effects: May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Personal protective equipment for first-aid responders

Ensure adequate ventilation. Use personal protective equipment. For personal protection see section 8.

4.2 Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of immediate medical attention and special treatment needed, if necessary

No data available

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use extinguishing media appropriate for surrounding fire.

5.2 Specific hazards arising from the chemical

Ethanol: Carbon oxides

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

Safety Data Sheet

Papanicolaou Red Stain Kit OSHA

Further information

No data available.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.

Ensure adequate ventilation. Use personal protective equipment. For personal protection see section 8.

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.

6.2 Environmental precautions

Should not be released into the environment. See Section 12 for additional ecological information.

6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

CAS: 56-81-5 (EC: 200-289-5)

Glycerin

ACGIH (USA): 10 mg/m³ TWA inhalation; Cal/OSHA: 10 mg/m³, PNOR PEL inhalation; 5 mg/m³, PNOR PEL inhalation; OSHA: 15 mg/m³ PEL inhalation; 5 mg/m³ PEL inhalation; 15 mg/m³ TWA inhalation; 5 mg/m³ TWA inhalation

CAS: 57-55-6 (EC: 200-338-0)

Propylene glycol

OSHA (USA): 10 mg/m³ TWA inhalation

CAS: 64-17-5

Safety Data Sheet

Papanicolaou Red Stain Kit OSHA

Alcohol

ACGIH (USA): (ST) 1000 ppm TLV® inhalation; Cal/OSHA: 1000 ppm PEL inhalation; NIOSH: 1000 ppm REL inhalation; OSHA: 1000 ppm PEL inhalation; 1900 mg/m³ PEL inhalation

CAS: 64-19-7 (EC: 200-580-7)

Acetic acid

ACGIH (USA): 15 ppm STEL inhalation; 10 ppm, (ST) 15 ppm TLV® inhalation; 10 ppm TWA inhalation; Cal/OSHA (USA): 40 ppm C inhalation; 10 ppm, (ST) 15 ppm, (C) 40 ppm PEL inhalation; 10 ppm, 25 mg/m³ PEL inhalation; 15 ppm, 37 mg/m³ STEL inhalation; NIOSH (USA): 10 ppm, (ST) 15 ppm REL inhalation; 15 ppm, 37 mg/m³ ST inhalation; 10 ppm, 25 mg/m³ TWA inhalation; OSHA (USA): 25 mg/m³ PEL inhalation; 10 ppm PEL inhalation; 10 ppm, 25 mg/m³ TWA inhalation

CAS: 67-63-0

Isopropyl alcohol

ACGIH (USA): 200 ppm, (ST) 400 ppm TLV® inhalation; Cal/OSHA: 400 ppm, (ST) 500 ppm PEL inhalation; NIOSH: 400 ppm, (ST) 500 ppm REL inhalation; OSHA: 400 ppm PEL inhalation; 980 mg/m³ PEL inhalation

8.2 Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Pictograms



Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Thermal hazards

No data available

Control banding approach

No data available.

Environmental exposure controls

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION 9: Physical and chemical properties and safety characteristics

Safety Data Sheet

Papanicolaou Red Stain Kit OSHA

Physical state	Liquid
Appearance	Various
Color	Various colors
Odor	Odorless
Odor threshold	No data available.
pH	Various
Melting point/freezing point	No data available.
Boiling point or initial boiling point and boiling range	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability	No data available.
Lower and upper explosion limit/flammability limit	No data available.
Vapor pressure	No data available.
Relative vapor density	No data available.
Density and/or relative density	No data available.
Solubility	No data available.
Partition coefficient n-octanol/water (log value)	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Kinematic viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

Particle characteristics

No data available.

Supplemental information regarding physical hazard classes

No data available.

Further safety characteristics (supplemental)

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

None under normal use conditions.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

None under normal use conditions.

10.4 Conditions to avoid

Exposure to moisture.

Avoid storing in direct sunlight and avoid extremes of temperature.

Heat, flames and sparks.

10.5 Incompatible materials

Glycerine : Strong bases, Strong oxidizing agents

Safety Data Sheet

Papanicolaou Red Stain Kit OSHA

Acetic acid: Oxidizing agents, Soluble carbonates and phosphates, Hydroxides, Metals, Peroxides, permanganates, e.g. potassium permanganate, Amines, Alcohols, Nitric acid

Ethanol: Alkali metals, Oxidizing agents, Peroxides

Propylene glycol: Acid chlorides, Acid anhydrides, Oxidizing agents, Chloroformates, Reducing agents

Isopropanol: Oxidizing agents, Acid anhydrides, Aluminium, Halogenated compounds, Acids

10.6 Hazardous decomposition products

Glycerine : Other decomposition products - No data available
In the event of fire: see section 5

Acetic acid: Hazardous decomposition products formed under fire conditions. - Carbon oxides
Other decomposition products - No data available
In the event of fire: see section 5

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Ethanol: ACGIH: A3 Confirmed animal carcinogen with unknown relevance to humans.

Acetic acid

LD50 Oral - Rat - 3,310 mg/kg

ETHANOL

LD50 Oral - Rat - 10,470 mg/kg

Glycerol

LD50 Oral - Rat - 12,600 mg/kg

Propylene glycol

LD50 Oral - Rat - 20,000 mg/kg

Propylene glycol

LD50 Intramuscular - Rat - 14 g/kg

Propylene glycol

LD50 Intravenous - Dog - 26 g/kg

Propylene glycol

LD50 Intraperitoneal - Rat - 6,660 mg/kg

Propylene glycol

Safety Data Sheet

Papanicolaou Red Stain Kit OSHA

LD50 Subcutaneous - Rat - 22,500 mg/kg

Propylene glycol

LD50 Intravenous - Rat - 6,423 mg/kg

Propylene glycol

LD50 Intraperitoneal - Mouse - 9,718 mg/kg

Remarks: Lungs, Thorax, or Respiration:Chronic pulmonary edema. Kidney, Ureter, Bladder:Changes in both tubules and glomeruli. Blood:Changes in spleen.

Propylene glycol

LD50 Subcutaneous - Mouse - 17,370 mg/kg

Remarks: Behavioral:Change in motor activity (specific assay). Behavioral:Muscle contraction or spasticity. Cyanosis

Propylene glycol

LD50 Intravenous - Mouse - 6,630 mg/kg

Propylene glycol

LD50 Intravenous - Rabbit - 6,500 mg/kg

ISOPROPANOL

LD50 Oral - Rat - 5,045 mg/kg

Remarks: Behavioral:Altered sleep time (including change in righting reflex). Behavioral:Somnolence (general depressed activity).

Skin corrosion/irritation

Acetic acid

LD50 Skin - Rat - 1,112 mg/kg

ETHANOL

LD50 Skin - Rabbit - 15,800 mg/kg

ETHANOL

OECD Test Guideline 404 Skin - Rabbit - 24 h

Result: No skin irritation

Glycerol

LD50 Skin - Rabbit - >10,000 mg/kg

Propylene glycol

LD50 Skin - Rabbit - 20,800 mg/kg

ISOPROPANOL

LD50 Skin - Rabbit - 12,800 mg/kg

Serious eye damage/irritation

ETHANOL

OECD Test Guideline 405 Eyes - Rabbit

Result: Moderate eye irritation

Respiratory or skin sensitization

Acetic acid

LC50 Inhalation - Mouse - 5620 ppm - 1 h

Safety Data Sheet

Papanicolaou Red Stain Kit OSHA

Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Conjunctive irritation. Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Other. Blood:Other changes.

Acetic acid
LC50 Inhalation - Rat - 11.4 mg/l - 4 h

Acetic acid
LD50 Skin - Rat - 1,112 mg/kg

ETHANOL
LD50 Skin - Rabbit - 15,800 mg/kg

ETHANOL
LD50 Inhalation - Rat - 30,000 mg/l - 4 h

ETHANOL
OECD Test Guideline 404 Skin - Rabbit - 24 h
Result: No skin irritation

Glycerol
LD50 Skin - Rabbit - >10,000 mg/kg

Propylene glycol
LD50 Skin - Rabbit - 20,800 mg/kg

ISOPROPANOL
LC50 Inhalation - Rat - 16000 ppm - 8 h

ISOPROPANOL
LD50 Skin - Rabbit - 12,800 mg/kg

Germ cell mutagenicity

Based on available data, classification data are not met

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

Based on available data, classification data are not met

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

Acetic acid
LC50 Inhalation - Mouse - 5620 ppm - 1 h

Safety Data Sheet

Papanicolaou Red Stain Kit OSHA

Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Conjunctive irritation. Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Other. Blood:Other changes.

Acetic acid

LC50 Inhalation - Rat - 11.4 mg/l - 4 h

ETHANOL

LD50 Inhalation - Rat - 30,000 mg/l - 4 h

ISOPROPANOL

LC50 Inhalation - Rat - 16000 ppm - 8 h

Additional information

No data available.

SECTION 12: Ecological information

Toxicity

Acetic acid

LC50 - Oncorhynchus mykiss (rainbow trout) - >1,000 mg/l - 96 h

Citation: (OECD Test Guideline 203)

Acetic acid

EC50 - Daphnia magna (water flea) - >300.82 mg/l - 48 h

Citation: (OECD Test Guideline 202)

ETHANOL

EC50 - Chlorella vulgaris (Fresh water algae) - 275 mg/l - 72 h

ETHANOL

LC50 - Pimephales promelas (fathead minnow) - 14,200 mg/l - 96 h

ETHANOL

LC50 - Ceriodaphnia dubia (water flea) - 5,012 mg/l - 48 h

Propylene glycol

NOEC - Pimephales promelas (fathead minnow) - 52,930 mg/l - 96 h

Propylene glycol

NOEC - Daphnia magna (water flea) - 13,020 mg/l - 48 h

Propylene glycol

EC50 - Daphnia magna (water flea) - >10,000 mg/l - 48 h

ISOPROPANOL

LC50 - Pimephales promelas (fathead minnow) - 9,640.00 mg/l - 96 h

ISOPROPANOL

EC50 - Daphnia magna (water flea) - 5,102.00 mg/l - 24 h

ISOPROPANOL

EC50 - Daphnia magna (water flea) - 6,851 mg/l - 24 h

ISOPROPANOL

EC50 - Desmodemus subspicatus (chodat) - > 2,000.00 mg/l - 72 h

Safety Data Sheet

Papanicolaou Red Stain Kit OSHA

ISOPROPANOL
EC50 - Algae - > 1,000.00 mg/l - 24 h

Persistence and degradability
No data available.

Bioaccumulative potential
No data available.

Mobility in soil
No data available.

Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Endocrine disrupting properties
No data available.

Other adverse effects
No data available.

SECTION 13: Disposal considerations

Disposal methods

Product disposal
Offer surplus and non-recyclable solutions to a licensed disposal company.

Packaging disposal
Dispose of as unused product.

Waste treatment
No data available

Sewage disposal
Do not let product enter drains

Other disposal recommendations
Dispose of contents/ container in accordance with the local/regional/national/international regulations.

SECTION 14: Transport information

DOT (US)

UN Number: UN1170
Class: 3
Packing Group: II
Proper Shipping Name: Ethanol or Ethyl alcohol or Ethanol solutions or Ethyl alcohol solutions
Reportable quantity (RQ):
Marine pollutant:
Poison inhalation hazard:

IMDG

UN Number: UN1170
Class: 3
Packing Group: II

Safety Data Sheet

Papanicolaou Red Stain Kit OSHA

EMS Number:

Proper Shipping Name: Ethanol or Ethyl alcohol or Ethanol solutions or Ethyl alcohol solutions

IATA

UN Number: UN1170

Class: 3

Packing Group: II

Proper Shipping Name: Ethanol or Ethyl alcohol or Ethanol solutions or Ethyl alcohol solutions

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

California Prop. 65 Components

WARNING! This product contains a chemical known to the State of California to cause cancer.

CAS-No. 64-17-5: Ethanol

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

CAS-No. 64-17-5: Ethanol

Canadian Domestic Substances List (DSL)

Chemical name: 1,2,3-Propanetriol

CAS: 30918-77-5

Chemical name: 1,2,3-Propanetriol

CAS: 56-81-5

Chemical name: Sulfuric acid, aluminum salt (3:2)

CAS: 10043-01-3

Chemical name: Acetic acid

CAS: 64-19-7

Chemical name: Benz[b]indeno[1,2-d]pyran-3,4,6a,9,10(6H)-pentol, 7,11b-dihydro-, cis-(++)-

CAS: 517-28-2

Chemical name: Ethanol

CAS: 64-17-5

Chemical name: 1,2-Propanediol

CAS: 57-55-6

Chemical name: 1,3-Naphthalenedisulfonic acid, 7-hydroxy-8-(phenylazo)-, disodium salt

CAS: 1936-15-8

Chemical name: Spiro[isobenzofuran-1(3H),9'-[9H]xanthen]-3-one, 2',4',5',7'-tetrabromo-3',6'-dihydroxy-, disodium salt

CAS: 548-26-5

Chemical name: Spiro[isobenzofuran-1(3H),9'-[9H]xanthen]-3-one, 2',4',5',7'-tetrabromo-3',6'-dihydroxy-, disodium salt

CAS: 17372-87-1

Chemical name: Benzenemethanaminium, N-ethyl-N-[4-[[4-[ethyl[(3-sulfophenyl)methyl]amino]phenyl](4-sulfophenyl)methylene]-2,5-cyclohexadien-1-ylidene]-3-sulfo-, hydroxide, inner salt, disodium salt

Safety Data Sheet

Papanicolaou Red Stain Kit OSHA

CAS: 5141-20-8

Chemical name: 1,3-Benzenediamine, 4,4'-[1,3-phenylenebis(azo)]bis-, dihydrochloride
CAS: 10114-58-6

Chemical name: 2-Propanol
CAS: 67-63-0

Massachusetts Right To Know Components

Glycerol
CAS-No. 56-81-5

Chemical name: Aluminum sulfate
CAS number: 10043-01-3

Acetic acid
CAS number: 64-19-7

Chemical name: Ethanol
CAS number: 64-17-5

Isopropyl alcohol
CAS number: 67-63-0

New Jersey Right To Know Components

Glycerol
CAS-No. 56-81-5

Common name: ALUMINUM SULFATE
CAS number: 10043-01-3

Acetic acid
CAS number: 64-19-7

Common name: ETHYL ALCOHOL
CAS number: 64-17-5

Propylene glycol
CAS number: 57-55-6

Common name: C.I. ACID GREEN 5
CAS number: 5141-20-8

Isopropyl alcohol
CAS number: 67-63-0

Pennsylvania Right To Know Components

Glycerol
CAS-No. 56-81-5

Chemical name: Sulfuric acid, aluminum salt (3:2)
CAS number: 10043-01-3

Acetic acid
CAS number: 64-19-7

Safety Data Sheet

Papanicolaou Red Stain Kit OSHA

Chemical name: Ethanol
CAS number: 64-17-5

Propylene glycol
CAS number: 57-55-6

Isopropyl alcohol
CAS number: 67-63-0

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazards

Chronic Health Hazard

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

No SARA Hazards

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313:

Isopropyl alcohol
CAS number: 67-63-0

15.2 Chemical Safety Assessment

The supplier of this product has not conducted any Chemical Safety Assessment

HMIS Rating

Papanicolaou Red Stain Kit OSHA	
HEALTH	* 1
FLAMMABILITY	3
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

SECTION 16: Other information

SDS-0131, Rev. A

16.1 Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Diagnostic BioSystems be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Diagnostic BioSystems has been advised of the possibility of such damages.