



Material Safety Data Sheet

Section 1. Product and Company Identification

| | | | |
|---------------------|---|-----------------------|------------|
| Product Name | Hematology Stain Pack For Automated Slide Stainer | Product Code | 65042 |
| Manufacturer | EMD Chemicals Inc. P.O. Box 70 480 Democrat Road Gibbstown, NJ 08027 Prior to January 1, 2003 EMD Chemicals Inc. was EM Industries, Inc. or EM Science, Division of EM Industries, Inc. | Effective Date | 12/6/2004 |
| | | Print Date | 12/22/2004 |

For More Information Call

(914) 592-4660
M-F, 9AM-4:30 PM EST

In Case of Emergency Call

800-424-9300 CHEMTREC (USA)
613-996-6666 (Canada)
24 Hours/Day: 7 Days/Week

| | | |
|------------------------|---|--|
| Synonym | 0.17% Wright Giemsa Stain Inorganic buffer pH 6.7, Surfactant preservative 10% Buffer Methanol | None. None. None. |
| Material Uses | 0.17% Wright Giemsa Stain Inorganic buffer pH 6.7, Surfactant preservative 10% Buffer Methanol | Laboratory Reagent Laboratory Reagent Laboratory Reagent |
| Chemical Family | 0.17% Wright Giemsa Stain Inorganic buffer pH 6.7, Surfactant preservative 10% Buffer Methanol | Dye Solution Solution. Solution. |

Section 2. Composition and Information on Ingredients

| Product name / Reagent. | Component ; CAS # ; % by Weight |
|--|--|
| 0.17% Wright Giemsa Stain | Water; 7732-18-5; 96% Wright Stain ; 68988-92-1; 0.9% Eosin Y; 17372-87-1; 0.5% Methylene Blue; 61-73-4; 0.9% Acetic acid.; 64-19-7; 0.5% Azure A; 531-53-3; 0.9% Sodium Carbonate; 5968-11-6; 0.5% Methanol; 67-56-1; 97.97% |
| Inorganic buffer pH 6.7, Surfactant preservative | Water; 7732-18-5; 98.98% Thymol; 89-83-8; 0.9% Triton® X-100 ® Trademark of the Union Carbide / Dow Chemical Company ; 9002-93-1; 0.09% Sodium Phosphate, Dibasic ; 7558-79-4; 0.9% Potassium Phosphate, Monobasic; 7778-77-0; 0.9% |

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| | |
|---------------------|--|
| 10% Buffer Methanol | Water; 7732-18-5; 87.87% Brij 35; 9002-92-0; 0.9% Sodium Phosphate, Dibasic ; 7558-79-4; 0.9% Methanol; 67-56-1; 10% Potassium Phosphate, Monobasic; 7778-77-0; 0.9% |
|---------------------|--|

Section 3. Hazards Identification

| | | |
|--------------------------------------|---|--|
| Physical State and Appearance | 0.17% Wright Giemsa Stain Liquid. | |
| | Inorganic buffer pH 6.7, Surfactant preservative Liquid. | |
| | 10% Buffer Methanol Liquid. | |
| Emergency Overview | 0.17% Wright Giemsa Stain MAY BE FATAL IF INHALED OR SWALLOWED. HARMFUL IF ABSORBED THROUGH SKIN. CAUSES SKIN IRRITATION. CONTAINS MATERIAL WHICH CAUSES DAMAGE TO THE FOLLOWING ORGANS: GASTROINTESTINAL TRACT, RESPIRATORY TRACT, SKIN, EYE, LENS OR CORNEA, TEETH. FLAMMABLE LIQUID AND VAPOR. VAPOR MAY CAUSE FLASH FIRE. MAY CAUSE EYE IRRITATION. CONTAINS MATERIAL WHICH MAY CAUSE DAMAGE TO THE FOLLOWING ORGANS: LUNGS, CENTRAL NERVOUS SYSTEM. | |
| | Inorganic buffer pH 6.7, Surfactant preservative CONTAINS MATERIAL WHICH CAUSES DAMAGE TO THE FOLLOWING ORGANS: MUCOUS MEMBRANES, SKIN, EYES. MAY CAUSE EYE IRRITATION. | |
| | 10% Buffer Methanol MAY BE FATAL IF SWALLOWED. HARMFUL IF INHALED. CONTAINS MATERIAL WHICH CAUSES DAMAGE TO THE FOLLOWING ORGANS: MUCOUS MEMBRANES, GASTROINTESTINAL TRACT, RESPIRATORY TRACT, SKIN, CENTRAL NERVOUS SYSTEM, EYE, LENS OR CORNEA. FLAMMABLE LIQUID AND VAPOR. VAPOR MAY CAUSE FLASH FIRE. MAY BE HARMFUL IF ABSORBED THROUGH SKIN. MAY CAUSE EYE AND SKIN IRRITATION. | |
| | 0.17% Wright Giemsa Stain Not Listed on Ca Prop 65. | |
| | Inorganic buffer pH 6.7, Surfactant preservative Not Listed on Ca Prop 65. | |
| | 10% Buffer Methanol Not Listed on Ca Prop 65. | |

| | | |
|------------------------|--|---|
| Routes of Entry | 0.17% Wright Giemsa Stain Inorganic buffer pH 6.7, Surfactant preservative 10% Buffer Methanol | Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion. Eye contact. Inhalation. Ingestion. Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion. |
|------------------------|--|---|

Potential Acute Health Effects

| | | |
|-------------|--|---|
| Eyes | 0.17% Wright Giemsa Stain Inorganic buffer pH 6.7, Surfactant preservative 10% Buffer Methanol | May be hazardous in case of eye contact (irritant). May be hazardous in case of eye contact (irritant). May be hazardous in case of eye contact (irritant). |
|-------------|--|---|

| | | |
|-------------|--|---|
| Skin | 0.17% Wright Giemsa Stain Inorganic buffer pH 6.7, Surfactant preservative 10% Buffer Methanol | Hazardous in case of skin contact (permeator, irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. Not available. May be hazardous in case of skin contact (permeator, irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. |
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| | | |
|-------------------|--|---|
| Inhalation | 0.17% Wright Giemsa Stain Inorganic buffer pH 6.7, Surfactant preservative 10% Buffer Methanol | Extremely hazardous in case of inhalation. May be fatal if inhaled. Not available. Hazardous in case of inhalation. |
|-------------------|--|---|

| | | |
|------------------|--|--|
| Ingestion | 0.17% Wright Giemsa Stain Inorganic buffer pH 6.7, Surfactant preservative 10% Buffer Methanol | Extremely hazardous in case of ingestion. May be fatal if swallowed. Not available. Extremely hazardous in case of ingestion. May be fatal if swallowed. |
|------------------|--|--|

Potential Chronic Health Effects

| | | |
|-----------------------------|--|--|
| Carcinogenic Effects | 0.17% Wright Giemsa Stain Inorganic buffer pH 6.7, Surfactant preservative 10% Buffer Methanol | This material is not known to cause cancer in animals or humans. This material is not known to cause cancer in animals or humans. This material is not known to cause cancer in animals or humans. |
|-----------------------------|--|--|

Additional information See Toxicological Information (section 11)

| | | |
|---|--|---|
| Medical Conditions Aggravated by Overexposure: | 0.17% Wright Giemsa Stain | Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs. |
| | Inorganic buffer pH 6.7, Surfactant preservative | Repeated or prolonged exposure is not known to aggravate medical condition. |
| | 10% Buffer Methanol | Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs. |

Section 4. First Aid Measures

| | | |
|---------------------|--|---|
| Eye Contact | 0.17% Wright Giemsa Stain | Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention. |
| | Inorganic buffer pH 6.7, Surfactant preservative | Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention. |
| | 10% Buffer Methanol | Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention. |
| Skin Contact | 0.17% Wright Giemsa Stain | In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately. |
| | Inorganic buffer pH 6.7, Surfactant preservative | Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used. |
| | 10% Buffer Methanol | In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention. |

Inhalation

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|--|--|
| 0.17% Wright Giemsa Stain | If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately. |
| Inorganic buffer pH 6.7, Surfactant preservative | If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. |
| 10% Buffer Methanol | If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately. |

| | | |
|------------------|--|--|
| Ingestion | 0.17% Wright Giemsa Stain | If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately. |
| | Inorganic buffer pH 6.7, Surfactant preservative | Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband. |
| | 10% Buffer Methanol | If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately. |

Section 5. Fire Fighting Measures

| | | |
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| Flammability of the Product | 0.17% Wright Giemsa Stain | Product will burn. |
| | Inorganic buffer pH 6.7, Surfactant preservative | Non-flammable. |
| | 10% Buffer Methanol | Product will burn. |
| Auto-ignition Temperature | 0.17% Wright Giemsa Stain | The lowest known value is 464.05°C (867.3°F) (Methanol). |
| | Inorganic buffer pH 6.7, Surfactant preservative | Not applicable. |
| | 10% Buffer Methanol | The lowest known value is 464.05°C (867.3°F) (Methanol). |
| Flash Points | 0.17% Wright Giemsa Stain | Closed cup: 11.111°C (52°F). |
| | Inorganic buffer pH 6.7, Surfactant preservative | Not applicable. |
| | 10% Buffer Methanol | Closed cup: 11.111°C (52°F). |

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|--|--|---|
| Flammable Limits | 0.17% Wright Giemsa Stain Inorganic buffer pH 6.7, Surfactant preservative 10% Buffer Methanol | LOWER: 6.7% UPPER: 36.5% Not applicable. The greatest known range is LOWER: 6% UPPER: 36.5% (Methanol) |
| Products of Combustion | 0.17% Wright Giemsa Stain Inorganic buffer pH 6.7, Surfactant preservative 10% Buffer Methanol | These products are carbon oxides (CO, CO2). Not applicable. These products are carbon oxides (CO, CO2). |
| Fire Hazards in Presence of Various Substances | 0.17% Wright Giemsa Stain Inorganic buffer pH 6.7, Surfactant preservative 10% Buffer Methanol | Highly flammable in presence of open flames, sparks and static discharge, of shocks, of heat, of oxidizing materials. Not applicable. Highly flammable in presence of open flames, sparks and static discharge, of shocks, of heat. Flammable in presence of oxidizing materials. |
| Explosion Hazards in Presence of Various Substances | 0.17% Wright Giemsa Stain Inorganic buffer pH 6.7, Surfactant preservative 10% Buffer Methanol | Risks of explosion of the product in presence of static discharge: Highly flammable in presence of open flames, sparks and static discharge. Explosive in presence of open flames, sparks and static discharge. Risks of explosion of the product in presence of mechanical impact: Highly flammable in presence of shocks. Explosive in presence of shocks. Risks of explosion of the product in presence of static discharge: No. Risks of explosion of the product in presence of mechanical impact: No. Risks of explosion of the product in presence of static discharge: Highly flammable in presence of open flames, sparks and static discharge. Explosive in presence of open flames, sparks and static discharge. Risks of explosion of the product in presence of mechanical impact: Highly flammable in presence of shocks. Explosive in presence of shocks. |

**Fire Fighting Media
and Instructions**

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| 0.17% Wright Giemsa Stain | SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion. Not applicable. |
| Inorganic buffer pH 6.7, Surfactant preservative | |
| 10% Buffer Methanol | SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion. |

Protective Clothing (Fire)

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| 0.17% Wright Giemsa Stain | Be sure to use an approved/certified respirator or equivalent. |
| Inorganic buffer pH 6.7, Surfactant preservative | Not applicable. |
| 10% Buffer Methanol | Be sure to use an approved/certified respirator or equivalent. |

Special Remarks on Fire Hazards

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| 0.17% Wright Giemsa Stain | Dangerous fire and explosion risk. Container explosion may occur under fire conditions or when heated. Vapor may travel considerable distance to source of ignition and flash back. (Methanol) |
| Inorganic buffer pH 6.7, Surfactant preservative | Not available. |
| 10% Buffer Methanol | Vapor may travel considerable distance to source of ignition and flash back. |

Special Remarks on Explosion Hazards

| | |
|--|--|
| 0.17% Wright Giemsa Stain | Vapor may travel considerable distance to source of ignition and flash back. |
| Inorganic buffer pH 6.7, Surfactant preservative | Not available. |
| 10% Buffer Methanol | Not available. |

Section 6. Accidental Release Measures

Small Spill and Leak

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| 0.17% Wright Giemsa Stain | Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. |
| Inorganic buffer pH 6.7, Surfactant preservative | Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. |
| 10% Buffer Methanol | Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. |

| | | |
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| Large Spill and Leak | 0.17% Wright Giemsa Stain | Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray curtain to divert vapor drift. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities. |
| | Inorganic buffer pH 6.7, Surfactant preservative | Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. |
| | 10% Buffer Methanol | Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities. |

| | | |
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| Spill Kit Information | 0.17% Wright Giemsa Stain | The following EMD Chemicals Inc. SpillSolv (TM) absorbent is recommended for this product: SX1330 Solvent Treatment Kit |
| | Inorganic buffer pH 6.7, Surfactant preservative | No specific spill kit required for this product. |
| | 10% Buffer Methanol | The following EMD Chemicals Inc. SpillSolv (TM) absorbent is recommended for this product: SX1330 Solvent Treatment Kit |

Section 7. Handling and Storage

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| Handling | 0.17% Wright Giemsa Stain | Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. |
| | Inorganic buffer pH 6.7, Surfactant preservative | Avoid contact with eyes. Wash thoroughly after handling. |
| | 10% Buffer Methanol | Keep away from heat, sparks and flame. Keep |

ventilation. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment.

| | | |
|----------------|--|---|
| Storage | 0.17% Wright Giemsa Stain | Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). |
| | Inorganic buffer pH 6.7, Surfactant preservative | Keep container tightly closed. Keep container in a cool, well-ventilated area. |
| | 10% Buffer Methanol | Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). |

Section 8. Exposure Controls/Personal Protection

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|-----------------------------|--|---|
| Engineering Controls | 0.17% Wright Giemsa Stain | Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location. |
| | Inorganic buffer pH 6.7, Surfactant preservative | Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. |
| | 10% Buffer Methanol | Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location. |

Personal Protection

| | | |
|-------------|--|-----------------|
| Eyes | 0.17% Wright Giemsa Stain | Face shield. |
| | Inorganic buffer pH 6.7, Surfactant preservative | Splash goggles. |
| | 10% Buffer Methanol | Splash goggles. |
| Body | 0.17% Wright Giemsa Stain | Full suit. |
| | Inorganic buffer pH 6.7, Surfactant preservative | Lab coat. |
| | 10% Buffer Methanol | Lab coat. |

| | | |
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| <i>Respiratory</i> | 0.17% Wright Giemsa Stain | Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. |
| | Inorganic buffer pH 6.7, Surfactant preservative | Not applicable. |
| | 10% Buffer Methanol | Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. |

| | | |
|--------------|--|-----------------|
| <i>Hands</i> | 0.17% Wright Giemsa Stain | Gloves. |
| | Inorganic buffer pH 6.7, Surfactant preservative | Not applicable. |
| | 10% Buffer Methanol | Gloves. |

| | | |
|-------------|--|-----------------|
| <i>Feet</i> | 0.17% Wright Giemsa Stain | Boots. |
| | Inorganic buffer pH 6.7, Surfactant preservative | Not applicable. |
| | 10% Buffer Methanol | Not applicable. |

Protective Clothing (Pictograms)



Personal Protection in Case of a Large Spill

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|--|---|
| 0.17% Wright Giemsa Stain | Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product. |
| Inorganic buffer pH 6.7, Surfactant preservative | Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product. |
| 10% Buffer Methanol | Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product. |

Product Name

Exposure Limits

| | |
|----------------|---|
| Water | Not available. |
| Wright Stain | Not available. |
| Eosin Y | Not available. |
| Methylene Blue | Not available. |
| Acetic acid. | 80/1107/EEC (Europe, 1998). TWA: 25 mg/m ³ 8 hour(s). TWA: 10 ppm 8 hour(s). INRS (France, 1999). |

VLE: 25 mg/m³ 15 minute(s).

VLE: 10 ppm 15 minute(s).

NIOSH REL (United States, 2000).

STEL: 37 mg/m³ 15 minute(s).

STEL: 15 ppm 15 minute(s).

TWA: 25 mg/m³ 10 hour(s).

TWA: 10 ppm 10 hour(s).

OSHA Final Rule (United States, 1989).

TWA: 25 mg/m³ 8 hour(s).

TWA: 10 ppm 8 hour(s).

AUVA (Austria, 1995).

Spitzenbegrenzung: 50 mg/m³ 8 times per shift, 5 minute(s).

Spitzenbegrenzung: 20 ML/M3 8 times per shift, 5 minute(s).

TWA: 25 mg/m³ 8 hour(s).

TWA: 10 ML/M3 8 hour(s).

NOHSC (Australia, 1995).

STEL: 37 mg/m³ 15 minute(s).

STEL: 15 ppm 15 minute(s).

TWA: 25 mg/m³ 8 hour(s).

TWA: 10 ppm 8 hour(s).

Lijst Grenswaarden (Belgium, 1998).

VCD: 38 mg/m³ 15 minute(s).

VCD: 15 ppm 15 minute(s).

VL: 25 mg/m³ 8 hour(s).

VL: 10 ppm 8 hour(s).

SUVA (Switzerland, 1997).

Momentanwert: 50 mg/m³ 8 times per shift, 5 minute(s).

Momentanwert: 20 ML/M3 8 times per shift, 5 minute(s).

MAK: 25 mg/m³ 8 times per shift, 5 minute(s).

MAK: 10 ML/M3 8 times per shift, 5 minute(s).

Ministry of Health (CL, 1992).

CEIL: 37 mg/m³

TWA: 20 mg/m³ 8 hour(s).

TWA: 8 ppm 8 hour(s).

MAK-Werte Liste (Germany, 1998).

Spitzenbegrenzung: 50 mg/m³ 8 times per shift, 5 minute(s).

Spitzenbegrenzung: 20 ML/M3 8 times per shift, 5 minute(s).

TWA: 25 mg/m³ 8 hour(s).

TWA: 10 ML/M3 8 hour(s).

TRGS900 (Germany, 1999).

Spitzenbegrenzung: 25 mg/m³

Spitzenbegrenzung: 10 ML/M3

TWA: 25 mg/m³ 8 hour(s).

TWA: 10 ML/M3 8 hour(s).

Arbejdstilsynet (Denmark, 1996).

GV: 25 mg/m³ 8 hour(s).

GV: 10 ppm 8 hour(s).

Tyterveyslaitos (Finland, 1998).

STEL: 37 mg/m³ 15 minute(s).

STEL: 15 ppm 15 minute(s).

TWA: 25 mg/m³ 8 hour(s).

TWA: 10 ppm 8 hour(s).

EH40-OES (United Kingdom (UK), 2000).

STEL: 37 mg/m³ 15 minute(s).

STEL: 15 ppm 15 minute(s).

TWA: 25 mg/m³ 8 hour(s).

TWA: 10 ppm 8 hour(s).

NAOSH (Ireland, 1999).

STEL: 37 mg/m³ 15 minute(s).

STEL: 15 ppm 15 minute(s).

OEL: 25 mg/m³ 8 hour(s).

OEL: 10 ppm 8 hour(s).

JSOH (Japan, 1996).

TWA: 25 mg/m³ 8 hour(s).

TWA: 10 ppm 8 hour(s).

Ministry of Labour (KR, 1997).

STEL: 37 mg/m³ 15 minute(s).

STEL: 15 ppm 15 minute(s).

TWA: 25 mg/m³ 8 hour(s).

TWA: 10 ppm 8 hour(s).

Secretary of Work and Social security (MX, 1994).

CCT: 37 mg/m³ 15 minute(s).

CCT: 15 ppm 15 minute(s).

CPT: 25 mg/m³ 8 hour(s).

CPT: 10 ppm 8 hour(s).

Nationale MAC-lijst (Netherlands, 2000).

TGG 8 uur: 25 mg/m³ 8 hour(s).

TGG 8 uur: 10 ppm 8 hour(s).

Arbeidstilsynet (Norway, 1996).

AN: 25 mg/m³ 8 hour(s).

AN: 10 ppm 8 hour(s).

NZ OSH (NZ, 1994).

STEL: 37 mg/m³ 15 minute(s).

STEL: 15 ppm 15 minute(s).

TWA: 25 mg/m³ 8 hour(s).

TWA: 10 ppm 8 hour(s).

AFS (Sweden, 1996).

TGV: 25 mg/m³

TGV: 10 ppm

NGV: 13 mg/m³ 8 hour(s).

NGV: 5 ppm 8 hour(s).

ACGIH TLV (United States, 2000).

STEL: 37 mg/m³ 15 minute(s).

STEL: 15 ppm 15 minute(s).

TWA: 25 mg/m³ 8 hour(s).

TWA: 10 ppm 8 hour(s).

Not available.

Not available.

ACGIH (United States, 1994). Skin

TWA: 262 mg/m³

STEL: 328 mg/m³

OSHA (United States, 1989). Skin

TWA: 260 mg/m³

STEL: 325 mg/m³

ACGIH (United States, 1994). Skin

STEL: 328 mg/m³ 15 minute(s).

STEL: 250 ppm 15 minute(s).

TWA: 262 mg/m³ 8 hour(s).

TWA: 200 ppm 8 hour(s).

NIOSH REL (United States, 1994). Skin

STEL: 325 mg/m³ 15 minute(s).

STEL: 250 ppm 15 minute(s).

TWA: 260 mg/m³ 10 hour(s).

TWA: 200 ppm 10 hour(s).

OSHA Final Rule (United States, 1989). Skin

STEL: 325 mg/m³ 15 minute(s).

STEL: 250 ppm 15 minute(s).

TWA: 260 mg/m³ 8 hour(s).

TWA: 200 ppm 8 hour(s).

Not available.

Not available.

Not available.

Azure A
Sodium Carbonate
Methanol

Thymol
Triton® X-100
© Trademark of the Union Carbide / Dow Chemical
Company
Sodium Phosphate, Dibasic

Potassium Phosphate, Monobasic
Brij 35

Not available.
Not available.

Section 9. Physical and Chemical Properties

| | | |
|--------------------------------------|--|--|
| Odor | 0.17% Wright Giemsa Stain Inorganic buffer pH 6.7, Surfactant preservative 10% Buffer Methanol | Characteristic. Alcohol like. Odorless. Alcohol like. (Slight.) |
| Color | 0.17% Wright Giemsa Stain Inorganic buffer pH 6.7, Surfactant preservative 10% Buffer Methanol | Not available. Clear. Clear. |
| Physical State and Appearance | 0.17% Wright Giemsa Stain Inorganic buffer pH 6.7, Surfactant preservative 10% Buffer Methanol | Liquid. Liquid. Liquid. |
| Molecular Weight | 0.17% Wright Giemsa Stain Inorganic buffer pH 6.7, Surfactant preservative 10% Buffer Methanol | Not applicable. Not applicable. Not applicable. |
| Molecular Formula | 0.17% Wright Giemsa Stain Inorganic buffer pH 6.7, Surfactant preservative 10% Buffer Methanol | Not applicable. Not applicable. Not applicable. |
| pH | 0.17% Wright Giemsa Stain Inorganic buffer pH 6.7, Surfactant preservative 10% Buffer Methanol | Not available. Not available. Not available. |
| Boiling/Condensation Point | 0.17% Wright Giemsa Stain Inorganic buffer pH 6.7, Surfactant preservative 10% Buffer Methanol | 64.5°C (148.1°F) The lowest known value is 99.9°C (211.8°F) (Water). The lowest known value is 64.55°C (148.2°F) (Methanol). Weighted average: 96.29°C (205.3°F) |

| | | |
|-------------------------------|--|--|
| Melting/Freezing Point | 0.17% Wright Giemsa Stain | -98°C (-144.4°F) |
| | Inorganic buffer pH 6.7, Surfactant preservative | May start to solidify at -0.1°C (31.8°F) based on data for: Water. |
| | 10% Buffer Methanol | May start to solidify at -0.1°C (31.8°F) based on data for: Water. Weighted average: -10.07°C (13.9°F) |
| Critical Temperature | 0.17% Wright Giemsa Stain | Not available. |
| | Inorganic buffer pH 6.7, Surfactant preservative | Not available. |
| | 10% Buffer Methanol | Not available. |
| Specific Gravity | 0.17% Wright Giemsa Stain | 0.79 (Water = 1) |
| | Inorganic buffer pH 6.7, Surfactant preservative | Not available. |
| | 10% Buffer Methanol | The only known value is 0.792 (Water = 1) (Methanol). |
| Vapor Pressure | 0.17% Wright Giemsa Stain | The highest known value is 12.9 kPa (97 mmHg) (@ 20°C) (Methanol). |
| | Inorganic buffer pH 6.7, Surfactant preservative | Not available. |
| | 10% Buffer Methanol | The highest known value is 12.9 kPa (97 mmHg) (@ 20°C) (Methanol). |
| Vapor Density | 0.17% Wright Giemsa Stain | >1 (Air = 1) |
| | Inorganic buffer pH 6.7, Surfactant preservative | Not available. |
| | 10% Buffer Methanol | The highest known value is 1.11 (Air = 1) (Methanol). |
| Volatility | 0.17% Wright Giemsa Stain | 99.9% (v/v). (Methanol.) |
| | Inorganic buffer pH 6.7, Surfactant preservative | Not available. |
| | 10% Buffer Methanol | 99.9% (v/v). (Methanol.) |
| Odor Threshold | 0.17% Wright Giemsa Stain | The lowest known value is 100 ppm (Methanol) |
| | Inorganic buffer pH 6.7, Surfactant preservative | Not available. |
| | 10% Buffer Methanol | The lowest known value is 100 ppm (Methanol) |

| | | |
|-----------------------------------|--|--|
| Evaporation Rate | 0.17% Wright Giemsa Stain | 5.9 |
| | Inorganic buffer pH 6.7, Surfactant preservative | 0.36 (Water) compared to (n-Butyl Acetate =1) |
| | 10% Buffer Methanol | 5.91 (Methanol) compared to (n-Butyl Acetate =1) |
| VOC | 0.17% Wright Giemsa Stain | 4 (%) |
| | Inorganic buffer pH 6.7, Surfactant preservative | Not available. |
| | 10% Buffer Methanol | 12 (%) |
| Viscosity | 0.17% Wright Giemsa Stain | Not available. |
| | Inorganic buffer pH 6.7, Surfactant preservative | Not available. |
| | 10% Buffer Methanol | Not available. |
| LogK_{ow} | 0.17% Wright Giemsa Stain | Not available. |
| | Inorganic buffer pH 6.7, Surfactant preservative | Not available. |
| | 10% Buffer Methanol | Not available. |
| Ionicity (in Water) | 0.17% Wright Giemsa Stain | Not available. |
| | Inorganic buffer pH 6.7, Surfactant preservative | Not available. |
| | 10% Buffer Methanol | Not available. |
| Solubility | 0.17% Wright Giemsa Stain | Soluble in water. |
| | Inorganic buffer pH 6.7, Surfactant preservative | Easily soluble in water. |
| | 10% Buffer Methanol | Soluble in water. |
| Physical Chemical Comments | 0.17% Wright Giemsa Stain | Not available. |
| | Inorganic buffer pH 6.7, Surfactant preservative | Not available. |
| | 10% Buffer Methanol | Not available. |

Section 10. Stability and Reactivity

| | | |
|--|--|--|
| Stability and Reactivity | 0.17% Wright Giemsa Stain | The product is stable. |
| | Inorganic buffer pH 6.7, Surfactant preservative | The product is stable. |
| | 10% Buffer Methanol | The product is stable. |
| Conditions of Instability | 0.17% Wright Giemsa Stain | Not available. |
| | Inorganic buffer pH 6.7, Surfactant preservative | Not available. |
| | 10% Buffer Methanol | Not available. |
| Incompatibility with Various Substances | 0.17% Wright Giemsa Stain | Reactive with oxidizing agents, metals, acids. |
| | Inorganic buffer pH 6.7, Surfactant preservative | Not available. |
| | 10% Buffer Methanol | Reactive with oxidizing agents. Slightly reactive to reactive with metals, acids. |
| Rem/Incompatibility | Incompatible with nitric acid, trioxide, hydrogen peroxide, silver nitrate, perchlorates. Incompatible products : Acetaldehyde , Barium perchlorate , Chlorine , Hexamethylene diisocyanate , Lithium aluminum hydride and Perchloric acid. (Brij 35) | |
| Hazardous Decomposition Products | 0.17% Wright Giemsa Stain | Not available. |
| | Inorganic buffer pH 6.7, Surfactant preservative | Not available. |
| | 10% Buffer Methanol | Not available. |
| Hazardous Polymerization | 0.17% Wright Giemsa Stain | Will not occur. |
| | Inorganic buffer pH 6.7, Surfactant preservative | Will not occur. |
| | 10% Buffer Methanol | Will not occur. |

Section 11. Toxicological Information

| | | |
|----------------------|---|------------------------------------|
| RTECS Number: | Water | ZC0110000 |
| | Wright Stain | Not available. |
| | Eosin Y (Yellowish) | LM5850000 |
| | Methylene Blue | SO5600000 |
| | Acetic Acid | AF1225000 |
| | Azure A | SP5660000 |
| | Sodium Carbonate, Monohydrate | Not available. |
| | Methanol | PC1400000 |
| | Thymol | XP2275000 |
| | Triton® X-100 ® Trademark of the Union Carbide / Dow Chemical Company | MD0907700, YM0616666, YM0683332 |

| | |
|--------------------------------------|---|
| Sodium Phosphate, Dibasic, Anhydrous | WC4500000 |
| Potassium Phosphate | TC6615500 |
| Brij 35 | JR5970000, JR5990000, MD0875000, JR5960000 |

Toxicity

| | |
|--|---|
| 0.17% Wright Giemsa Stain | Acute oral toxicity (LD ₅₀): 5628 mg/kg [Rat]. (Methanol). Acute dermal toxicity (LD ₅₀): 15800 mg/kg [Rabbit]. (Methanol). Acute toxicity of the vapor (LC ₅₀): 64000 ppm 4 hour(s) [Rat]. (Methanol). |
| Inorganic buffer pH 6.7, Surfactant preservative | LD ₅₀ : Not available. LC ₅₀ : Not available. |
| 10% Buffer Methanol | Acute oral toxicity (LD ₅₀): 5628 mg/kg [Rat]. (Methanol). Acute dermal toxicity (LD ₅₀): 15800 mg/kg [Rabbit]. (Methanol). Acute toxicity of the vapor (LC ₅₀): 64000 ppm 4 hour(s) [Rat]. (Methanol). |

Chronic Effects on Humans Contains material which may cause damage to the following organs: lungs.

Acute Effects on Humans

| | |
|--|--|
| 0.17% Wright Giemsa Stain | May be hazardous in case of eye contact (irritant). Hazardous in case of skin contact (permeator, irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. Extremely hazardous in case of inhalation. May be fatal if inhaled. Extremely hazardous in case of ingestion. May be fatal if swallowed. |
| Inorganic buffer pH 6.7, Surfactant preservative | May be hazardous in case of eye contact (irritant). |
| 10% Buffer Methanol | May be hazardous in case of eye contact (irritant). May be hazardous in case of skin contact (permeator, irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. Hazardous in case of inhalation. Extremely hazardous in case of ingestion. May be fatal if swallowed. |

Special Remarks on Toxicity

| | |
|--|----------------|
| 0.17% Wright Giemsa Stain | Not available. |
| Inorganic buffer pH 6.7, Surfactant preservative | Not available. |
| 10% Buffer Methanol | Not available. |

Special Remarks on Chronic Effects on Humans

0.17% Wright Giemsa Stain
Inorganic buffer pH 6.7, Surfactant preservative
10% Buffer Methanol

Not available.
Not available.
Not available.

**Special Remarks on Other
Toxic Effects on Humans**

0.17% Wright Giemsa Stain
Inorganic buffer pH 6.7, Surfactant preservative
10% Buffer Methanol

Not available.
Not available.
Not available.

**Synergetic Products
(Toxicologically)**

0.17% Wright Giemsa Stain
Inorganic buffer pH 6.7, Surfactant preservative
10% Buffer Methanol

Not available.
Not available.
Not available.

Irritancy

0.17% Wright Giemsa Stain
Inorganic buffer pH 6.7, Surfactant preservative
10% Buffer Methanol

Draize Test: Not available.
Draize Test: Not available.
Draize Test: Not available.

Sensitization

0.17% Wright Giemsa Stain
Inorganic buffer pH 6.7, Surfactant preservative
10% Buffer Methanol

Not available.
Not available.
Not available.

Carcinogenic Effects

0.17% Wright Giemsa Stain
Inorganic buffer pH 6.7, Surfactant preservative
10% Buffer Methanol

This material is not known to cause cancer in animals or humans.
This material is not known to cause cancer in animals or humans.
This material is not known to cause cancer in animals or humans.

**Toxicity to Reproductive
System**

0.17% Wright Giemsa Stain
Inorganic buffer pH 6.7, Surfactant preservative
10% Buffer Methanol

Not available.
Not available.
Not available.

Teratogenic Effects

0.17% Wright Giemsa Stain Not available.
Inorganic buffer pH 6.7, Surfactant preservative Not available.
10% Buffer Methanol Not available.

Mutagenic Effects

0.17% Wright Giemsa Stain Not available.
Inorganic buffer pH 6.7, Surfactant preservative Not available.
10% Buffer Methanol Not available.

Section 12. Ecological Information

Ecotoxicity

0.17% Wright Giemsa Stain Not available.
Inorganic buffer pH 6.7, Surfactant preservative Not available.
10% Buffer Methanol Not available.

BOD5 and COD

0.17% Wright Giemsa Stain Not available.
Inorganic buffer pH 6.7, Surfactant preservative Not available.
10% Buffer Methanol Not available.

Biodegradable/OECD

0.17% Wright Giemsa Stain Not available.
Inorganic buffer pH 6.7, Surfactant preservative Not available.
10% Buffer Methanol Not available.

Mobility

0.17% Wright Giemsa Stain Not available.
Inorganic buffer pH 6.7, Surfactant preservative Not available.
10% Buffer Methanol Not available.

0.17% Wright Giemsa Stain These products are carbon oxides (CO, CO2) and water.
Inorganic buffer pH 6.7, Surfactant preservative Not available.
10% Buffer Methanol These products are carbon oxides (CO, CO2) and water.

| | | |
|---|--|---|
| Toxicity of the Products of Biodegradation | 0.17% Wright Giemsa Stain | The products of degradation are as toxic as the product itself. |
| | Inorganic buffer pH 6.7, Surfactant preservative | The product itself and its products of degradation are not toxic. |
| | 10% Buffer Methanol | The products of degradation are less toxic than the product itself. |

| | | |
|--|--|----------------|
| Special Remarks on the Products of Biodegradation | 0.17% Wright Giemsa Stain | Not available. |
| | Inorganic buffer pH 6.7, Surfactant preservative | Not available. |
| | 10% Buffer Methanol | Not available. |

Section 13. Disposal Considerations

| | | |
|-------------------------|--|----------------|
| EPA Waste Number | 0.17% Wright Giemsa Stain | D001 U154 |
| | Inorganic buffer pH 6.7, Surfactant preservative | Not available. |
| | 10% Buffer Methanol | D001 |

| | | |
|------------------|--|--|
| Treatment | 0.17% Wright Giemsa Stain | Incineration, fuels blending or recycle. Contact your local permitted waste disposal site (TSD) for permissible treatment sites. Always contact permitted waste disposer (TSD) to assure compliance with all Current local, State and Federal Regulations. Material does not have an EPA Waste number and is not a listed waste, however consultation with a permitted waste disposal site (TSD) should be accomplished. ALWAYS CONTACT A PERMITTED WASTE DISPOSER (TSD) TO ASSURE COMPLIANCE WITH ALL CURRENT LOCAL, STATE AND FEDERAL REGULATIONS. |
| | Inorganic buffer pH 6.7, Surfactant preservative | |
| | 10% Buffer Methanol | |

Section 14. Transport Information

DOT Classification Not available.

TDG Classification Not available.

IMO/IMDG Classification Not available.

ICAO/IATA Classification Not available.

Section 15. Regulatory Information

| | | |
|--|---|--|
| <p>U.S. Federal Regulations</p> | <p>0.17% Wright Giemsa Stain Inorganic buffer pH 6.7, Surfactant preservative</p> | <p>TSCA 8(b) inventory: Water; Wright Stain ; Eosin Y; Methylene Blue; Acetic acid.; Azure A; Methanol TSCA 8(a) PAIR: Triton® X-100 ® Trademark of the Union Carbide / Dow Chemical Company TSCA 8(b) inventory: Water; Thymol; Triton® X-100 ® Trademark of the Union Carbide / Dow Chemical Company ; Sodium Phosphate, Dibasic ; Potassium Phosphate, Monobasic TSCA 8(d) H and S data reporting: Triton® X-100 ® Trademark of the Union Carbide / Dow Chemical Company : 1996</p> |
| | <p>10% Buffer Methanol</p> | <p>TSCA 8(b) inventory: Water; Brij 35; Sodium Phosphate, Dibasic ; Methanol; Potassium Phosphate, Monobasic</p> |
| | <p>0.17% Wright Giemsa Stain</p> | <p>SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found. SARA 302/304/311/312 hazardous chemicals: Methylene Blue; Acetic acid.; Methanol SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Methylene Blue: Delayed (Chronic) Health Hazard; Acetic acid.: Fire Hazard, Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard; Methanol: Fire Hazard, Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard</p> |
| | <p>Inorganic buffer pH 6.7, Surfactant preservative</p> | <p>SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found. SARA 302/304/311/312 hazardous chemicals: Triton® X-100 ® Trademark of the Union Carbide / Dow Chemical Company ; Sodium Phosphate, Dibasic SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Triton® X-100 ® Trademark of the Union Carbide / Dow Chemical Company : Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard; Sodium Phosphate, Dibasic : Immediate (Acute) Health Hazard</p> |
| | <p>10% Buffer Methanol</p> | <p>SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found. SARA 302/304/311/312 hazardous chemicals: Brij 35;</p> |

| | |
|--|--|
| | Sodium Phosphate, Dibasic ; Methanol SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Brij 35: Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard; Sodium Phosphate, Dibasic : Immediate (Acute) Health Hazard; Methanol: Fire Hazard, Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard |
| 0.17% Wright Giemsa Stain | SARA 313 toxic chemical notification and release reporting: Methanol 97.97% |
| Inorganic buffer pH 6.7, Surfactant preservative | SARA 313 toxic chemical notification and release reporting: No products were found. |
| 10% Buffer Methanol | SARA 313 toxic chemical notification and release reporting: Methanol 10% |
| 0.17% Wright Giemsa Stain | Clean Water Act (CWA) 307: No products were found. |
| Inorganic buffer pH 6.7, Surfactant preservative | Clean Water Act (CWA) 307: No products were found. |
| 10% Buffer Methanol | Clean Water Act (CWA) 307: No products were found. |
| 0.17% Wright Giemsa Stain | Clean Water Act (CWA) 311: Acetic acid. |
| Inorganic buffer pH 6.7, Surfactant preservative | Clean Water Act (CWA) 311: Sodium Phosphate, Dibasic |
| 10% Buffer Methanol | Clean Water Act (CWA) 311: Sodium Phosphate, Dibasic |
| 0.17% Wright Giemsa Stain | Clean air act (CAA) 112 accidental release prevention: No products were found. |
| Inorganic buffer pH 6.7, Surfactant preservative | Clean air act (CAA) 112 accidental release prevention: No products were found. |
| 10% Buffer Methanol | Clean air act (CAA) 112 accidental release prevention: No products were found. |
| 0.17% Wright Giemsa Stain | Clean air act (CAA) 112 regulated flammable substances: No products were found. |
| Inorganic buffer pH 6.7, Surfactant preservative | Clean air act (CAA) 112 regulated flammable substances: No products were found. |
| 10% Buffer Methanol | Clean air act (CAA) 112 regulated flammable substances: No products were found. |
| 0.17% Wright Giemsa Stain | Clean air act (CAA) 112 regulated toxic substances: No products were found. |
| Inorganic buffer pH 6.7, Surfactant preservative | Clean air act (CAA) 112 regulated toxic substances: No products were found. |
| 10% Buffer Methanol | Clean air act (CAA) 112 regulated toxic substances: |

No products were found.

WHMIS (Canada)

0.17% Wright Giemsa Stain
 CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).
 Class D-1A: Material causing immediate and serious toxic effects (VERY TOXIC).
 Class D-2A: Material causing other toxic effects (VERY TOXIC).
 Class D-2B: Material causing other toxic effects (TOXIC).
 Inorganic buffer pH 6.7, Surfactant preservative
 Not controlled under WHMIS (Canada).
 10% Buffer Methanol
 CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).
 Class D-1A: Material causing immediate and serious toxic effects (VERY TOXIC).

0.17% Wright Giemsa Stain
 CEPA DSL: Water; Wright Stain ; Eosin Y; Methylene Blue; Acetic acid.; Azure A; Methanol
 Inorganic buffer pH 6.7, Surfactant preservative
 CEPA DSL: Water; Thymol; Triton® X-100
 ® Trademark of the Union Carbide / Dow Chemical Company ; Sodium Phosphate, Dibasic ; Potassium Phosphate, Monobasic
 10% Buffer Methanol
 CEPA DSL: Water; Brij 35; Sodium Phosphate, Dibasic ; Methanol; Potassium Phosphate, Monobasic

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all required information.

International Regulations

EINECS

0.17% Wright Giemsa Stain
 Water 231-791-2
 Wright Stain 273-541-5
 Eosin Y 241-409-6
 Methylene Blue 200-515-2
 Acetic acid. 200-580-7
 Azure A 208-510-7
 Sodium Carbonate Not available.
 Methanol 200-659-6
 Inorganic buffer pH 6.7, Surfactant preservative
 Water 231-791-2
 Thymol 201-944-8
 Triton® X-100
 ® Trademark of the Union Carbide / Dow Chemical Company Not available.
 Sodium Phosphate, Dibasic 231-448-7
 Potassium Phosphate, Monobasic
 10% Buffer Methanol
 Water 231-791-2
 Brij 35 Not available.
 Sodium Phosphate, Dibasic 231-448-7
 Methanol 200-659-6
 Potassium Phosphate, Monobasic

| | | |
|----------------------------|--|---|
| DSCL (EEC) | 0.17% Wright Giemsa Stain | R11- Highly flammable. R37/38- Irritating to respiratory system and skin. R41- Risk of serious damage to eyes. |
| | Inorganic buffer pH 6.7, Surfactant preservative | This product is not classified according to the EU regulations. |
| | 10% Buffer Methanol | R11- Highly flammable. R41- Risk of serious damage to eyes. |
| International Lists | 0.17% Wright Giemsa Stain | Australia (NICNAS): Water; Wright Stain ; Eosin Y; Methylene Blue; Acetic acid.; Azure A; Sodium Carbonate; Methanol Germany water class: Acetic acid. Japan (MITI): Water; Eosin Y; Methylene Blue; Acetic acid.; Methanol Korea (TCCL): Water; Eosin Y; Methylene Blue; Acetic acid.; Methanol Philippines (RA6969): Water; Wright Stain ; Eosin Y; Methylene Blue; Acetic acid.; Sodium Carbonate; Methanol |
| | Inorganic buffer pH 6.7, Surfactant preservative | Australia (NICNAS): Water; Thymol; Triton® X-100 ® Trademark of the Union Carbide / Dow Chemical Company ; Sodium Phosphate, Dibasic ; Potassium Phosphate, Monobasic Japan (MITI): Water; Thymol; Sodium Phosphate, Dibasic ; Potassium Phosphate, Monobasic Korea (TCCL): Water; Thymol; Triton® X-100 ® Trademark of the Union Carbide / Dow Chemical Company ; Sodium Phosphate, Dibasic ; Potassium Phosphate, Monobasic Philippines (RA6969): Water; Thymol; Triton® X-100 ® Trademark of the Union Carbide / Dow Chemical Company ; Sodium Phosphate, Dibasic ; Potassium Phosphate, Monobasic |
| | 10% Buffer Methanol | Australia (NICNAS): Water; Brij 35; Sodium Phosphate, Dibasic ; Methanol; Potassium Phosphate, Monobasic Germany water class: Brij 35 Japan (MITI): Water; Sodium Phosphate, Dibasic ; Methanol; Potassium Phosphate, Monobasic Korea (TCCL): Water; Brij 35; Sodium Phosphate, Dibasic ; Methanol; Potassium Phosphate, Monobasic Philippines (RA6969): Water; Brij 35; Sodium Phosphate, Dibasic ; Methanol; Potassium Phosphate, Monobasic |

0.17% Wright Giemsa Stain China: No products were found.

Inorganic buffer pH 6.7, Surfactant preservative China: No products were found.

10% Buffer Methanol China: No products were found.

State Regulations

0.17% Wright Giemsa Stain Pennsylvania RTK: Acetic acid.: (environmental hazard, generic environmental hazard); Methanol: (environmental hazard, generic environmental hazard)

Massachusetts RTK: Acetic acid.; Methanol
New Jersey: 0.17% Wright Giemsa Stain

Inorganic buffer pH 6.7, Surfactant preservative Pennsylvania RTK: Sodium Phosphate, Dibasic : (environmental hazard, generic environmental hazard)

Massachusetts RTK: Sodium Phosphate, Dibasic
New Jersey: Inorganic buffer pH 6.7, Surfactant preservative

10% Buffer Methanol Pennsylvania RTK: Sodium Phosphate, Dibasic : (environmental hazard, generic environmental hazard); Methanol: (environmental hazard, generic environmental hazard)

Massachusetts RTK: Sodium Phosphate, Dibasic ;
Methanol
New Jersey: 10% Buffer Methanol

0.17% Wright Giemsa Stain California prop. 65: No products were found.

Inorganic buffer pH 6.7, Surfactant preservative California prop. 65: No products were found.

10% Buffer Methanol California prop. 65: No products were found.

Section 16. Other Information

**National Fire
Protection
Association
(U.S.A.)**



**Other Special
Considerations**

| | |
|--|----------------|
| 0.17% Wright Giemsa Stain | Not available. |
| Inorganic buffer pH 6.7, Surfactant preservative | Not available. |
| 10% Buffer Methanol | Not available. |

Changed Since Last Revision

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