



SAFETY DATA SHEET

4405RINS

Bayer HealthCare LLC Diagnostics Division 511 Benedict Avenue Tarrytown, NY 10591; USA	Emergency Telephone 1-574-264-8400 (BAYER) 1-800-424-9300 (Chemtrec) Technical Information 1-800-348-8100	HMIS Hazard Rating HEALTH 2 FLAMMABILITY 2 REACTIVITY 0 PERSONAL_PROTECTION B
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SECTION 1: PRODUCT INFORMATION

Product Name: HEMA-TEK (Wright-Giemsa) RINSE SOLUTION

Product Number: 4405

Date Prepared: 2/6/2002

Revision Number: 6

SECTION 2: COMPOSITION/HAZARDOUS INGREDIENTS

<i>CAS-No.</i>	<i>Chemical Name</i>	<i>Amount</i>	<i>Exposure limit(s)</i>
67-56-1	Methanol	10%	200 ppm PEL-TWA 200 ppm TLV-TWA skin 250 ppm TLV- STEL

EU Classification (1999/45/EC):..

EU Risk and Safety Phrases: R20/21/22, R39/23/24/25, S7, S24, S36/37, S45

SECTION 3: CRITICAL HAZARDS

Man: Combustible liquid. Toxic by inhalation, in contact with skin and if swallowed.

Environment: None determined.

SECTION 4: EMERGENCY FIRST AID PROCEDURES

Emergency First Aid Procedures: Call a physician immediately. Arrange for transport to the nearest ER (emergency room).

While awaiting the physician or transport to the ER:

Inhalation: If it occurs move patient to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Transport to hospital for further medical attention.

Ingestion: If patient is responsive induce vomiting at once by giving syrup of ipecac or a tablespoon of salt dissolved in a glass of warm water. Get immediate medical attention.



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Skin Contact: Remove any contaminated clothing. Wash off with soap and water. Transport to hospital for further medical attention. Wash contaminated clothing before re-use.

Eye Contact: In case of eye contact immediately flush eyes with copious amounts of water for at least 15-20 minutes. Rinse thoroughly with plenty of water, also under the eyelids. Transport to hospital for further medical attention.

SECTION 5: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): >140° F

Flammable Limits: LEL: 6% UEL: 36%

Extinguishing Media: Use water spray, alcohol foam, carbon dioxide or dry chemical.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with the eyes and skin. Cool fire exposed containers with water until well after the fire is out.

Unusual Fire and Explosion Hazards: Combustible liquid. Vapors are heavier than air and can travel along surfaces to ignition sources and flash back.

SECTION 6: SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Eliminate all ignition sources and ventilate the area. Take up with absorbent material and place in a suitable container.

SECTION 7: HANDLING AND STORAGE

Store at temperatures and conditions as indicated on the product label.

Handle as a flammable, toxic liquid. Avoid breathing vapors. Avoid contact with the eyes, skin and clothing. Keep away from excessive heat and all sources of ignition.

SECTION 8: PERSONAL PROTECTION

Ventilation: Use room ventilation sufficient to meet TLV or use in a chemical hood.

Respiratory Equipment: Respiratory protection is required if airborne concentration exceeds the TLV. For concentrations above the TLV up to 1000 ppm use a NIOSH approved organic vapor cartridge respirator.

Protective Gloves: Laboratory neoprene or heavy butyl rubber gloves are recommended.



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Eye Protection: Standard laboratory safety glasses recommended. Contact lenses should not be worn in the laboratory.

Other Protective Equipment/Clothing: Laboratory neoprene apron is suggested.

SECTION 9: PHYSICAL DATA

Appearance and odor: Clear, colorless liquid with an alcohol odor.

pH: N/D

Specific Gravity (H₂O=1): N/D

Boiling Point (F): N/D

Melting Point (F): N/A

Vapor Pressure: 92 mm Hg

Evaporation Rate: N/D

Solubility in Water: Complete

N/A = Not Applicable N/D = Not Determined

SECTION 10: REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Keep away from excessive heat and all sources of ignition.

Substances to Avoid: Incompatible with oxidizing agents.

Hazardous Decomposition Products: Combustion produces carbon monoxide and carbon dioxide.

Hazardous Polymerization: Will Not Occur

SECTION 11: TOXICOLOGICAL INFORMATION

Chronic Effects of Overexposure: Prolonged overexposure to methanol may cause visual impairment, nervous system, liver and kidney damage. Methanol has been found to cause adverse reproductive effects in laboratory animals.

Carcinogen or Suspected Carcinogen: None of the components are listed as a carcinogen or suspected carcinogen.

Medical Conditions Aggravated by Exposure: Individuals with pre-existing kidney and liver disorders may be at risk from exposure.

Acute Toxicity:



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Inhalation: Inhalation of vapors can cause nausea, headaches, dizziness, and other signs of narcosis. Prolonged overexposure may result in transient or permanent blindness and liver or kidney damage.

Ingestion: Ingestion may cause gastrointestinal irritation and nervous system depression with headaches, nausea and narcosis. Severe abdominal, back and leg pain may occur along with transient or permanent blindness, liver and kidney damage. May be fatal.

Skin Contact: Contact may cause irritation. Liquid may be absorbed through the skin and can cause effects similar to ingestion. Treat at once.

Eye Contact: Liquid will cause irritation. Absorption may cause optic nerve damage resulting in transient or permanent blindness.

Acute Toxicity Values: Methanol: LD50 oral rat: 5628 mg/kg; LC50 inhalation rat: 64,000 ppm/4 hr

SECTION 12: ECOLOGICAL INFORMATION

Ecological effects of this mixture have not been determined.

This product contains a surfactant.

SECTION 13: DISPOSAL

Primary Container Type: The product container is HD polyethylene.

Waste Disposal Method: Each disposal facility must determine proper disposal methods to comply with Local, State and Federal Environmental Regulations.

SECTION 14: TRANSPORTATION (IATA REGULATIONS)

Proper Shipping Name: Not regulated

Technical Name:

UN Number: N/A

Hazard Class and Packaging Group: Not regulated

Label(s): N/A

Packing Instruction (Passenger Aircraft): N/A

Packing Instruction (Cargo Aircraft): N/A

Unit Volume: 900 mL

Primary Container Type: 1200 mL Plastic, HD polyethylene

Sales Unit: 1 bottle/package, 5 packages per case



SECTION 15: OTHER REGULATORY INFORMATION

SARA 311/312: Hazard categories for SARA Section 311/312

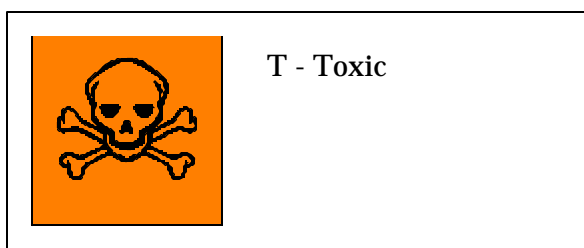
Reporting: Acute Health Chronic Health Fire Hazard

SARA 313 This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements Under the SARA Section

313 (40 CFR 372): Methanol 10%

Canadian WHMIS Classification: Medical Devices are Exempt from WHMIS

EU Classification (1999/45/EC):



T - Toxic

EU Risk and Safety Phrases: R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.

R39/23/24/25 - Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

S 7 - Keep container tightly closed.

S24 - Avoid contact with skin.

S36/37 - Wear suitable protective clothing and gloves.

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

SECTION 16: OTHER INFORMATION

None

Reason for Revision: Revisions to section(s) 2, 3, 5, 14, 15

Prepared by: A. Holle, Manager Regulatory Affairs

The opinions expressed herein are those of qualified experts within Bayer Corporation. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and these opinions and the conditions of use of the product are not within the control of Bayer Corporation, it is the users' obligation to assure safe use of the product.