



**SAFETY DATA SHEET
2592SLIDE**

Bayer Corporation; Diagnostics Division 511 Benedict Tarrytown, NY 10591; USA	Emergency Telephone 1-219-264-8400 (BAYER) 1-800-424-9300 (Chemtrec) Technical Information 1-800-442-8400 (Laboratory Segment) 1-800-348-8100 (Point of Care Products)	HMIS Hazard Rating <input checked="" type="checkbox"/> HEALTH 0 <input type="checkbox"/> FLAMMABILITY 0 <input checked="" type="checkbox"/> REACTIVITY 0 <input type="checkbox"/> PERSONAL PROTECTION B
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SECTION 1: PRODUCT INFORMATION

Product Name: HEMA-CHEK Slide Pak

Product Number: 2592

Date Prepared: 12/4/1998

Revision Number: 3

SECTION 2: COMPOSITION/HAZARDOUS INGREDIENTS

Pursuant to United States OSHA Regulations 29 CFR Part 1910.1200, This Product Is Not Considered To Contain Hazardous Materials.

EU Classification (90/492/EE): Not applicable

EU Risk and Safety Phrases: None

SECTION 3: CRITICAL HAZARDS

Man: None determined.

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.

Ingestion: If the patient is conscious, rinse out mouth with water and have the patient drink a glass of water or milk to dilute the material. Transport to hospital for further medical attention.

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

Regulated by: OSHA 29 CFR 1910.1200, USA / EC Directive

SECTION 5: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): None

Flammable Limits: LEL: Not Applicable UEL: Not Applicable

Extinguishing Media: Use whatever is required for the surrounding area.

Special Fire Fighting Procedures: It is always best to wear a self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: None determined.

SECTION 6: SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Pick up and place in a disposal container.

SECTION 7: HANDLING AND STORAGE

Store at temperatures and conditions as indicated on the product label. No special technical protective measures required.

SECTION 8: PERSONAL PROTECTION

Ventilation: Use general room ventilation.

Respiratory Equipment: None required.

Protective Gloves: Standard laboratory latex or rubber gloves.

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

Other Protective Equipment/Clothing: None

SECTION 9: PHYSICAL DATA

Appearance and odor: Filter paper with a light yellow to cream color.

pH: N/A

Specific Gravity (H₂O=1): N/D

Boiling Point (F): N/A

Melting Point (F): N/A

Vapor Pressure: N/A

Evaporation Rate: N/A

Solubility in Water: N/A



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

SECTION 10: REACTIVITY DATA

Stability: Stable

Conditions to Avoid: None determined.

Substances to Avoid: None determined.

Hazardous Decomposition Products: Thermal decomposition yields oxides of carbon.

Hazardous Polymerization: Will Not Occur

SECTION 11: TOXICOLOGICAL INFORMATION

Chronic Effects of Overexposure: None known

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

Medical Conditions Aggravated by Exposure:

None currently known.

Acute Toxicity:

Inhalation: Not expected to cause adverse effects.

Ingestion: Not expected to cause adverse effects.

Skin Contact: Contact is not expected to cause irritation.

Eye Contact: May cause mild irritation.

Acute Toxicity Values: Not applicable

SECTION 12: ECOLOGICAL INFORMATION

Ecological effects of this mixture have not been determined.

SECTION 13: DISPOSAL

Primary Container Type: N/A

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: N/A
Primary Container Type: N/A
Sales Unit: 100 Sample sticks per carton

SECTION 15: OTHER REGULATORY INFORMATION

Canadian WHMIS Classification: Not a controlled product.
EU Classification (90/492/EE): Not applicable
EU Risk and Safety Phrases: None

SECTION 16: OTHER INFORMATION

None

Reason for Revision: Conversion to Standard Phrase Database.

Prepared by: T.E. Garland, 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.



SAFETY DATA SHEET
2592DEV

Bayer Corporation; Diagnostics Division 511 Benedict Tarrytown, NY 10591; USA	Emergency Telephone 1-219-264-8400 (BAYER) 1-800-424-9300 (Chemtec) Technical Information 1-800-442-8400 (Laboratory Segment) 1-800-348-8100 (Point of Care Products)	HMIS Hazard Rating HEALTH 3 FLAMMABILITY 3 REACTIVITY 1 PERSONAL PROTECTION C
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SECTION 1: PRODUCT INFORMATION

Product Name: HEMA-CHEK Developer

Product Number: 2592

Date Prepared: 12/1/1998

Revision Number: 4

SECTION 2: COMPOSITION/HAZARDOUS INGREDIENTS

CAS No.	Chemical Name	Amount	Exposure limit(s)
67-56-1	Methanol	60-75%	200 ppm PEL-TWA 200 ppm TLV-TWA skin 250 ppm TLV-STEL
7722-84-1	Hydrogen Peroxide	4-7%	1 ppm PEL-TWA 1 ppm TLV-TWA

EU Classification (90/492/EE): F - Highly flammable T - Toxic

Xi - Irritant

EU Risk and Safety Phrases: R11, R23/25, R36/38, S16, S24/25, S26, S45

SECTION 3: CRITICAL HAZARDS

Man: Highly Flammable! Product is harmful if swallowed, inhaled or absorbed through the skin. Contact may cause irritation.

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.

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): 54° F (TCC)

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: Very flammable 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 heat and sources of ignition.

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2592DEV

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 rubber gloves are recommended.

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: White transparent liquid with an alcohol odor.

pH: 5.5-6.5

Specific Gravity (H₂O=1): 0.89

Boiling Point (F): 147° F

Melting Point (F): N/A

Vapor Pressure: 92 mm Hg

Evaporation Rate: 4.6 (Butyl Acetate = 1)

Solubility in Water: Complete

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

SECTION 10: REACTIVITY DATA

Stability: Stable

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

Substances to Avoid: Reacts violently with most organic chemicals, hypochlorite bleaches and reducing 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:

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: May cause irritation with possible corneal injury. 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

Hydrogen Peroxide: LD50 oral rat: 2 gm/kg

SECTION 12: ECOLOGICAL INFORMATION

Ecological effects of this mixture have not been determined.

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: Methanol Solution

Technical Name:

UN Number: UN1230

Hazard Class and Packaging Group: 3, II

Label(s): FLAMMABLE LIQUID

Packing Instruction (Passenger Aircraft): IATA 305

Packing Instruction (Cargo Aircraft): IATA 307

Unit Volume: 25 mL

Primary Container Type: 30 mL Plastic, HD polyethylene

Sales Unit: 1 bottle/kit.

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 60-75%

Canadian WHMIS Classification: Class B, Division 2

Class D, Division 2, Subdivision B

EU Classification (90/492/EE): F - Highly flammable T - Toxic Xi - Irritant

EU Risk and Safety Phrases: R11 - Highly flammable.

R23/25 - Toxic by inhalation and if swallowed.

R36/38 - Irritating to eyes and skin.

S16 - Keep away from sources of ignition - No smoking.

S24/25 - Avoid contact with skin and eyes.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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: Conversion to Standard Phrase Database.

Prepared by: T.E. Garland, Manager Regulatory Affairs



SAFETY DATA SHEET
2592DEV

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SAFETY DATA SHEET
2592CON

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SECTION 1: PRODUCT INFORMATION

Product Name: HEMA-CHEK Control

Product Number: 2592

Date Prepared: 11/28/1998

Revision Number: 3

SECTION 2: COMPOSITION/HAZARDOUS INGREDIENTS

Pursuant to United States OSHA Regulations 29 CFR Part 1910.1200, This Product Is Not Considered To Contain Hazardous Materials.

(Note: This product does contain material derived from animal sources and may be considered a biohazard and/or Regulated Medical Waste in your state. Check your Local Environmental Regulations.)

EU Classification (90/492/EE): Not applicable

EU Risk and Safety Phrases: None

SECTION 3: CRITICAL HAZARDS

Man: None determined.

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.

Ingestion: If the patient is conscious, wash out mouth with water, give one or two glasses of water or milk to dilute immediately. Transport to hospital for further medical attention.

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

SECTION 5: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): None

Flammable Limits: LEL: Not Applicable UEL: Not Applicable

Extinguishing Media: Use whatever is required for the surrounding area.

Special Fire Fighting Procedures: It is always best to wear a self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: None determined.

SECTION 6: SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Take up with absorbent material and place in a biohazard container. Wipe up area with a damp paper towel and discard in a biohazard container. Disinfect spill area with a 10% bleach solution.

SECTION 7: HANDLING AND STORAGE

Store at temperatures and conditions as indicated on the product label. Avoid contact with skin, eyes and clothing.

SECTION 8: PERSONAL PROTECTION

Ventilation: Use general room ventilation.

Respiratory Equipment: None required.

Protective Gloves: Standard laboratory chemical rubber or latex gloves.

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

Other Protective Equipment/Clothing: A laboratory coat or apron is suggested.

SECTION 9: PHYSICAL DATA

Appearance and odor: Clear, yellow to tan solution.

pH: 6-7

Specific Gravity (H₂O=1): N/D

Boiling Point (F): N/D

Melting Point (F): N/A

Vapor Pressure: N/D

Evaporation Rate: N/D

Solubility in Water: Soluble

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

SECTION 10: REACTIVITY DATA

Stability: Stable

Conditions to Avoid: None determined.

Substances to Avoid: None determined.

Hazardous Decomposition Products: None determined.

Hazardous Polymerization: Will Not Occur

SECTION 11: TOXICOLOGICAL INFORMATION

Chronic Effects of Overexposure: None currently known.

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

Medical Conditions Aggravated by Exposure: None currently known.

Acute Toxicity:

Inhalation: Inhalation of mists may cause minor respiratory irritation.

Ingestion: Contains animal blood components and other materials. May cause gastrointestinal irritation with nausea.

Skin Contact: Contact may cause mild irritation.

Eye Contact: May cause mild irritation.

Acute Toxicity Values: Not applicable

SECTION 12: ECOLOGICAL INFORMATION

Ecological effects of this mixture have not been determined.

SECTION 13: DISPOSAL

Primary Container Type: The product container is glass.



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: 7.5 mL
Primary Container Type: glass
Sales Unit: 1 bottle/kit.

SECTION 15: OTHER REGULATORY INFORMATION

Canadian WHMIS Classification: Not a controlled product.
EU Classification (90/492/EE): Not applicable
EU Risk and Safety Phrases: None

SECTION 16: OTHER INFORMATION

None

Reason for Revision: Conversion to Standard Phrase Database.

Prepared by: T.E. Garland, Manager Regulatory Affairs

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Diagnostics Division

Bayer Corporation
430 S. Beiger St.
P.O. Box 2004
Mishawaka, IN 46546-2004**Fax Coversheet**Date: 9/12/00No. of Pages (Including this page): 15To: Paula WrenyFrom: Barbara CochranCompany: Optical Institute of NethDivision/Department: Diagnostics Division
Customer Operations SupportFax: 301.480.9285Fax: 219-262-6594

Phone: _____

Phone: 219-262-6525
800-348-8100 -6525**COPY:**

Please find attached the Non-Hazardous statement, or the material Safety Data Sheet(s) ✓ for the products(s) you requested.

2592 - Nema Check Slide Pak

This fax can be copied for your convenience.

If I can be of further assistance, please contact me at 800-348-8100 #3556.

Sincerely,

Barbara Cochran
Bayer Corporation
Diagnostics Division

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