Material Safety Data Sheet

SIEMENS

HEMA-TEK II STAIN PAK

MSDS no. 4415.KIT

1 . Product and company identification

Product name : HEMA-TEK II STAIN PAK

Code : 4415.KIT

Material uses : Diagnostic Agents

Product type : Liquid.

Manufactured/supplied : Siemens Healthcare Diagnostics Inc.
1717 Deerfield Road
Deerfield, IL 60015-0778
1-847-267-5300

Siemens Healthcare Diagnostics Ltd.
1200 Courtneypark Drive East
Mississauga, Ontario, Canada
L5T-1P2
(905) 564-7333
(800) 264-0083

In case of emergency : Transportation: (800) 424-9300 (CHEMTREC)
Medical: (800) 228-5635 ext. 284 (Prosar)

2 . Hazards identification

Physical state : HEMA-TEK II BUFFER SOLUTION — Liquid.
HEMA-TEK II RINSE SOLUTION — Liquid.
HEMA-TEK II STAIN SOLUTION — Liquid.

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Emergency overview : WARNING!

MAY CAUSE ALLERGIC SKIN REACTION. CONTAINS MATERIAL THAT CAN CAUSE TARGET ORGAN DAMAGE.

May cause sensitization by skin contact. Do not breathe vapor or mist. Do not get on skin or clothing. Contains material that can cause target organ damage. Wash thoroughly after handling.

Not available.

Potential acute health effects

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Skin : May cause sensitization by skin contact.

Eyes : No known significant effects or critical hazards.

Potential chronic health effects

Chronic effects : Contains material that can cause target organ damage. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Inhalation : No specific data.

2 . Hazards identification

Ingestion : No specific data.

Skin : Adverse symptoms may include the following:
irritation
redness

Eyes : No specific data.

See toxicological information (section 11)

3 . Composition/information on ingredients

United States

Name	CAS number	%
HEMA-TEK II BUFFER SOLUTION		
sodium azide	26628-22-8	0.05
HEMA-TEK II RINSE SOLUTION		
methanol	67-56-1	8
thiomersal	54-64-8	0.01
HEMA-TEK II STAIN SOLUTION		
methanol	67-56-1	>99

Canada

Name	CAS number	%
HEMA-TEK II RINSE SOLUTION		
methanol	67-56-1	8
HEMA-TEK II STAIN SOLUTION		
methanol	67-56-1	>99

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4 . First aid measures

Eye contact : Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

Inhalation : Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Ingestion : Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

5 . Fire-fighting measures

Flammability of the product : In a fire or if heated, a pressure increase will occur and the container may burst.

Extinguishing media

In case of fire, use water spray (fog), foam or dry chemical.

Not suitable : None known.

Special exposure hazards : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

5 . Fire-fighting measures

Hazardous combustion products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6 . Accidental release measures

Personal precautions : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Small spill : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

7 . Handling and storage

Handling : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8 . Exposure controls/personal protection

Product name	Exposure limits
United States	
HEMA-TEK II BUFFER SOLUTION	
sodium azide	**ACGIH TLV (United States, 1/2008).** C: 0.29 mg/m³, (as hydrazoic acid vapor) Form: as Sodium azide **NIOSH REL (United States, 6/2008). Absorbed through skin. Notes: NAN3** **OSHA PEL 1989 (United States, 3/1989). Absorbed through skin. Notes: as NaN3** **NIOSH REL (United States, 6/2008). Absorbed through skin. Notes: NAN3** CEIL: 0.3 mg/m³, (NAN3) **OSHA PEL 1989 (United States, 3/1989). Absorbed through skin. Notes: as NaN3** **NIOSH REL (United States, 6/2008). Absorbed through skin. Notes: NAN3** CEIL: 0.1 ppm, (as HN3) **OSHA PEL 1989 (United States, 3/1989). Absorbed through skin. Notes: as NaN3** CEIL: 0.1 ppm, (as HN3) **NIOSH REL (United States, 6/2008). Absorbed through skin. Notes:**

8 . Exposure controls/personal protection

NAN3
OSHA PEL 1989 (United States, 3/1989). Absorbed through skin. Notes: as NaN3
CEIL: 0.3 mg/m³, (as NaN3)
NIOSH REL (United States, 6/2008). Absorbed through skin. Notes: NAN3
OSHA PEL 1989 (United States, 3/1989). Absorbed through skin. Notes: as NaN3
ACGIH TLV (United States, 1/2008). Notes: as hydrazoic acid vapor
C: 0.11 ppm, (as hydrazoic acid vapor) Form: as Hydrazoic acid vapor

HEMA-TEK II RINSE SOLUTION

methanol

ACGIH TLV (United States, 1/2005). Absorbed through skin. Notes: Substances for which there is a Biological Exposure Index or Indices
STEL: 328 mg/m³ 15 minute(s). Form: All forms
STEL: 250 ppm 15 minute(s). Form: All forms
TWA: 262 mg/m³ 8 hour(s). Form: All forms
TWA: 200 ppm 8 hour(s). Form: All forms
NIOSH REL (United States, 12/2001). Absorbed through skin.
OSHA PEL 1989 (United States, 3/1989). Absorbed through skin.
ACGIH TLV (United States, 1/2005). Absorbed through skin. Notes: Substances for which there is a Biological Exposure Index or Indices
NIOSH REL (United States, 12/2001). Absorbed through skin.
STEL: 325 mg/m³ 15 minute(s). Form: All forms
STEL: 250 ppm 15 minute(s). Form: All forms
TWA: 260 mg/m³ 10 hour(s). Form: All forms
TWA: 200 ppm 10 hour(s). Form: All forms
OSHA PEL (United States, 8/1997).
TWA: 260 mg/m³ 8 hour(s). Form: All forms
TWA: 200 ppm 8 hour(s). Form: All forms
OSHA PEL 1989 (United States, 3/1989). Absorbed through skin.
STEL: 325 mg/m³ 15 minute(s). Form: All forms
STEL: 250 ppm 15 minute(s). Form: All forms
TWA: 260 mg/m³ 8 hour(s). Form: All forms
TWA: 200 ppm 8 hour(s). Form: All forms

thiomersal

OSHA PEL 1989 (United States, 3/1989). Absorbed through skin. Notes: as Hg
CEIL: 0.1 mg/m³, (as Hg)
NIOSH REL (United States, 12/2001). Absorbed through skin. Notes: as Hg
TWA: 0.05 mg/m³, (as Hg) 10 hour(s). Form: Hg Vapor
CEIL: 0.1 mg/m³, (as Hg) Form: Other than Hg Vapor

HEMA-TEK II STAIN SOLUTION

methanol

ACGIH TLV (United States, 1/2005). Absorbed through skin. Notes: Substances for which there is a Biological Exposure Index or Indices
STEL: 328 mg/m³ 15 minute(s). Form: All forms
STEL: 250 ppm 15 minute(s). Form: All forms
TWA: 262 mg/m³ 8 hour(s). Form: All forms
TWA: 200 ppm 8 hour(s). Form: All forms
NIOSH REL (United States, 12/2001). Absorbed through skin.
OSHA PEL 1989 (United States, 3/1989). Absorbed through skin.
ACGIH TLV (United States, 1/2005). Absorbed through skin. Notes: Substances for which there is a Biological Exposure Index or Indices
NIOSH REL (United States, 12/2001). Absorbed through skin.
STEL: 325 mg/m³ 15 minute(s). Form: All forms

8 . Exposure controls/personal protection

STEL: 250 ppm 15 minute(s). Form: All forms
TWA: 260 mg/m³ 10 hour(s). Form: All forms
TWA: 200 ppm 10 hour(s). Form: All forms

OSHA PEL (United States, 8/1997).
TWA: 260 mg/m³ 8 hour(s). Form: All forms
TWA: 200 ppm 8 hour(s). Form: All forms

OSHA PEL 1989 (United States, 3/1989). Absorbed through skin.
STEL: 325 mg/m³ 15 minute(s). Form: All forms
STEL: 250 ppm 15 minute(s). Form: All forms
TWA: 260 mg/m³ 8 hour(s). Form: All forms
TWA: 200 ppm 8 hour(s). Form: All forms

Canada

8 . Exposure controls/personal protection

HEMA-TEK II RINSE SOLUTION

methanol

ACGIH TLV (United States, 1/2005). Absorbed through skin. Notes: Substances for which there is a Biological Exposure Index or Indices

STEL: 328 mg/m³ 15 minute(s). Form: All forms
STEL: 250 ppm 15 minute(s). Form: All forms
TWA: 262 mg/m³ 8 hour(s). Form: All forms
TWA: 200 ppm 8 hour(s). Form: All forms

HEMA-TEK II STAIN SOLUTION

methanol

ACGIH TLV (United States, 1/2005). Absorbed through skin. Notes: Substances for which there is a Biological Exposure Index or Indices

STEL: 328 mg/m³ 15 minute(s). Form: All forms
STEL: 250 ppm 15 minute(s). Form: All forms
TWA: 262 mg/m³ 8 hour(s). Form: All forms
TWA: 200 ppm 8 hour(s). Form: All forms

Consult local authorities for acceptable exposure limits.

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Engineering measures : No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protection

Respiratory : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hands : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eyes : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

Skin : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9 . Physical and chemical properties

Physical state	:	HEMA-TEK II BUFFER SOLUTION	Liquid.
		HEMA-TEK II RINSE SOLUTION	Liquid.
		HEMA-TEK II STAIN SOLUTION	Liquid.
Flash point	:	HEMA-TEK II BUFFER SOLUTION	Not available.
		HEMA-TEK II RINSE SOLUTION	Closed cup: 57°C (134.6°F)
		HEMA-TEK II STAIN SOLUTION	Closed cup: 12°C (53.6°F)
Auto-ignition temperature	:	HEMA-TEK II BUFFER SOLUTION	Not available.
		HEMA-TEK II RINSE SOLUTION	Not available.
		HEMA-TEK II STAIN SOLUTION	Not available.
Flammable limits	:	HEMA-TEK II BUFFER SOLUTION	Not available.
		HEMA-TEK II RINSE SOLUTION	Not available.
		HEMA-TEK II STAIN SOLUTION	Not available.
Color	:	HEMA-TEK II BUFFER SOLUTION	Colorless.
		HEMA-TEK II RINSE SOLUTION	Colorless.
		HEMA-TEK II STAIN SOLUTION	Blue.
Molecular weight	:	HEMA-TEK II BUFFER SOLUTION	Not applicable.
		HEMA-TEK II RINSE SOLUTION	Not applicable.
		HEMA-TEK II STAIN SOLUTION	Not applicable.
Molecular formula	:	HEMA-TEK II BUFFER SOLUTION	Not applicable.
		HEMA-TEK II RINSE SOLUTION	Not applicable.
		HEMA-TEK II STAIN SOLUTION	Not applicable.
pH	:	HEMA-TEK II BUFFER SOLUTION	Not available.
		HEMA-TEK II RINSE SOLUTION	Not applicable.
		HEMA-TEK II STAIN SOLUTION	Not applicable.
Boiling/condensation point	:	HEMA-TEK II BUFFER SOLUTION	Not available.
		HEMA-TEK II RINSE SOLUTION	Not available.
		HEMA-TEK II STAIN SOLUTION	Not available.

9 . Physical and chemical properties

Melting/freezing point	:	HEMA-TEK II BUFFER SOLUTION	Not available.
		HEMA-TEK II RINSE SOLUTION	Not available.
		HEMA-TEK II STAIN SOLUTION	Not available.
Relative density	:	HEMA-TEK II BUFFER SOLUTION	1
		HEMA-TEK II RINSE SOLUTION	1
		HEMA-TEK II STAIN SOLUTION	0.7914
Vapor pressure	:	HEMA-TEK II BUFFER SOLUTION	Not available.
		HEMA-TEK II RINSE SOLUTION	Not available.
		HEMA-TEK II STAIN SOLUTION	Not available.
Volatility	:	HEMA-TEK II BUFFER SOLUTION	Not available.
		HEMA-TEK II RINSE SOLUTION	Not available.
		HEMA-TEK II STAIN SOLUTION	Not available.
Evaporation rate	:	HEMA-TEK II BUFFER SOLUTION	Not available.
		HEMA-TEK II RINSE SOLUTION	Not available.
		HEMA-TEK II STAIN SOLUTION	Not available.
Viscosity	:	HEMA-TEK II BUFFER SOLUTION	Not available.
		HEMA-TEK II RINSE SOLUTION	Not available.
		HEMA-TEK II STAIN SOLUTION	Not available.

10 . Stability and reactivity

Stability : The product is stable.

Conditions to avoid : No specific data.

Materials to avoid : No specific data.

Not available.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Hazardous polymerization : Under normal conditions of storage and use, hazardous polymerization will not occur.

11 . Toxicological information

United States

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure

11 . Toxicological information

methanol	LD50 Dermal	Rabbit	15800 mg/kg	-
	LD50 Oral	Mouse	7300 mg/kg	-
	LD50 Oral	Rat	5628 mg/kg	-
	LD50 Oral	Rabbit	14200 mg/kg	-
	LDLo Dermal	Monkey	393 mg/kg	-
	LDLo Oral	Human/30 min	428 mg/kg	-
	LDLo Oral	Male	6422 mg/kg	-
	LDLo Oral	Human/30 min	143 mg/kg	-
	LC50 Inhalation Vapor	Rat	64000 ppm	4 hours
thiomersal	LD50 Oral	Rat	75 mg/kg	-
	LD50 Subcutaneous	Rat	98 mg/kg	-
	LD50 Unreported	Rat	40 mg/kg	-
sodium azide	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Intratracheal	Rat	47.5 mg/kg	-
	LD50 Intratracheal	Rat	47500 ug/kg	-
	LD50 Oral	Rat	27 mg/kg	-
	LD50 Subcutaneous	Rat	45100 ug/kg	-
	LD50 Subcutaneous	Rat	45 mg/kg	-
	LDLo Intraperitoneal	Rat	3 mg/kg	-
	LDLo Intraperitoneal	Rat	30 mg/kg	-

Chronic toxicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
HEMA-TEK II BUFFER SOLUTION						
sodium azide	A4	-	-	None.	-	-
HEMA-TEK II RINSE SOLUTION						
methanol	-	-	-	None.	-	None.
thiomersal	A4	-	-	None.	-	-
HEMA-TEK II STAIN SOLUTION						
methanol	-	-	-	None.	-	None.

Mutagenicity

Not available.

Teratogenicity

Not available.

Reproductive toxicity

Not available.

Canada

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure

11 . Toxicological information

methanol	LD50 Dermal	Rabbit	15800 mg/kg	-
	LD50 Oral	Mouse	7300 mg/kg	-
	LD50 Oral	Rat	5628 mg/kg	-
	LD50 Oral	Rabbit	14200 mg/kg	-
	LDLo Dermal	Monkey	393 mg/kg	-
	LDLo Oral	Human/30 min	428 mg/kg	-
	LDLo Oral	Male	6422 mg/kg	-
	LDLo Oral	Human/30 min	143 mg/kg	-
	LC50 Inhalation Vapor	Rat	64000 ppm	4 hours

Chronic toxicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
HEMA-TEK II BUFFER SOLUTION						
sodium azide	A4	-	-	None.	-	-
HEMA-TEK II RINSE SOLUTION						
methanol	-	-	-	None.	-	None.
thiomersal	A4	-	-	None.	-	-
HEMA-TEK II STAIN SOLUTION						
methanol	-	-	-	None.	-	None.

Mutagenicity

Not available.

Teratogenicity

Not available.

Reproductive toxicity

Not available.

12 . Ecological information

Environmental effects : No known significant effects or critical hazards.

United States

Aquatic ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
methanol	-	Acute EC50 16000 mg/L	Fish	48 hours
	-	Acute EC50 13200 mg/L	Fish	48 hours
	-	Acute EC50 >10000 mg/L	Daphnia	48 hours
	-	Acute LC50 15400 mg/L	Fish	96 hours
	-	Acute LC50 >100 mg/L	Fish	96 hours
	-	Acute LC50 >100 mg/L	Daphnia	96 hours
sodium azide	-	Acute EC50 6.4 to 8.9 mg/L Fresh water	Crustaceans - Water flea - Simocephalus serrulatus - LARVAE	48 hours
	-	Acute EC50 4.2 to 6.2 mg/L Fresh	Daphnia - Water flea - Daphnia	48 hours

12 . Ecological information

		water	pulex - LARVAE	
	-	Acute LC50 0.8 mg/L Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss - 1.4 g	96 hours
	-	Acute LC50 0.68 mg/L Fresh water	Fish - Bluegill - Lepomis macrochirus - 0.6 g	96 hours
	-	Acute LC50 5460 to 5870 ug/L Fresh water	Fish - Fathead minnow - Pimephales promelas - 30 days - 18.8 mm - 0.098 g	96 hours
	-	Acute LC50 3920 ug/L Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss - 8.57 cm - 7.84 g	96 hours
	-	Acute LC50 2840 ug/L Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss - 7.87 cm - 6.07 g	96 hours
	-	Acute LC50 2750 ug/L Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss - 7.32 cm - 4.76 g	96 hours

Biodegradability

Not available.

Canada

Aquatic ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
methanol	-	Acute EC50 16000 mg/L	Fish	48 hours
	-	Acute EC50 13200 mg/L	Fish	48 hours
	-	Acute EC50 >10000 mg/L	Daphnia	48 hours
	-	Acute LC50 15400 mg/L	Fish	96 hours
	-	Acute LC50 >100 mg/L	Daphnia	96 hours
	-	Acute LC50 >100 mg/L	Fish	96 hours

Biodegradability

Not available.

13 . Disposal considerations

Waste disposal : The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Sodium azide may react with lead or copper plumbing to form highly explosive metal azides.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14 . Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
DOT Classification	Not available.	Not available.	Not available.	-		-
TDG Classification	Not available.	Not available.	Not available.	-		-
Mexico Classification	Not available.	Not available.	Not available.	-		-
ADR/RID Class	Not available.	Not available.	Not available.	-		-
IMDG Class	Not available.	Not available.	Not available.	-		-
IATA-DGR Class	UN1230 UN1987	Methanol Alcohols, n.o.s. (methanol)	3	III		-

PG* : Packing group

15 . Regulatory information

United States

HCS Classification : Sensitizing material
Target organ effects

U.S. Federal regulations : TSCA 8(a) PAIR: Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-
United States inventory (TSCA 8b): Not determined.
TSCA 8(d) H and S data reporting: potassium dihydrogenorthophosphate; Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-

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: methanol
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: methanol: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard

Clean Water Act (CWA) 307: thiomersal

Clean Water Act (CWA) 311: disodium hydrogenorthophosphate

Clean Air Act (CAA) 112 accidental release prevention: methanol

Clean Air Act (CAA) 112 regulated flammable substances: No products were found.

Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

15 . Regulatory information

SARA 313

	Product name	CAS number	Concentration
Form R - Reporting requirements :	**HEMA-TEK II RINSE SOLUTION**		
	methanol	67-56-1	8
	HEMA-TEK II STAIN SOLUTION		
	methanol	67-56-1	>99
Supplier notification :	**HEMA-TEK II RINSE SOLUTION**		
	methanol	67-56-1	8
	HEMA-TEK II STAIN SOLUTION		
	methanol	67-56-1	>99

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

State regulations : **Connecticut Carcinogen Reporting:** None of the components are listed.
Connecticut Hazardous Material Survey: None of the components are listed.
Florida substances: The following components are listed: methanol
Illinois Chemical Safety Act: None of the components are listed.
Illinois Toxic Substances Disclosure to Employee Act: None of the components are listed.
Louisiana Reporting: None of the components are listed.
Louisiana Spill: None of the components are listed.
Massachusetts Spill: None of the components are listed.
Massachusetts Substances: The following components are listed: methanol
Michigan Critical Material: None of the components are listed.
Minnesota Hazardous Substances: The following components are listed: methanol
New Jersey Hazardous Substances: The following components are listed: methanol
New Jersey Spill: The following components are listed: methanol
New Jersey Toxic Catastrophe Prevention Act: None of the components are listed.
New York Acutely Hazardous Substances: None of the components are listed.
New York Toxic Chemical Release Reporting: None of the components are listed.
Pennsylvania RTK Hazardous Substances: The following components are listed: methanol
Rhode Island Hazardous Substances: The following components are listed: methanol

California Prop. 65

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

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
HEMA-TEK II RINSE SOLUTION				
thiomersal	No.	Yes.	No.	No.

United States inventory (TSCA 8b) : Not determined.

Canada

WHMIS (Canada) : Class D-1B: Material causing immediate and serious toxic effects (Toxic).
Class D-2A: Material causing other toxic effects (Very toxic).
Class D-2B: Material causing other toxic effects (Toxic).

15 . Regulatory information

Canadian lists : **CEPA Toxic substances:** None of the components are listed.
Canadian ARET: None of the components are listed.
Canadian NPRI: The following components are listed: methanol
Alberta Designated Substances: None of the components are listed.
Ontario Designated Substances: None of the components are listed.
Quebec Designated Substances: None of the components are listed.

Canada inventory : Not determined.

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

16 . Other information

EU regulations

Hazard symbol or symbols :

Highly flammable, Toxic

Risk phrases : R11- Highly flammable.
R23/24/25- Toxic 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.

Safety phrases : S7- Keep container tightly closed.
S16- Keep away from sources of ignition - No smoking.
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).

International regulations

International lists : **Australia inventory (AICS):** Not determined.
China inventory (IECSC): Not determined.
Japan inventory (ENCS): Not determined.
Japan inventory (ISHL): Not determined.
Korea inventory (KECI): Not determined.
New Zealand Inventory of Chemicals (NZIoC): Not determined.
Philippines inventory (PICCS): Not determined.

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Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.