

Material Safety Data Sheet

Diff Quik® Staining Set

MSDS no.

duhm0006

1. Product and company identification

Product name	: Diff Quik® Staining Set
Synonym	: Diff Quik® Fixative Solution (130833, 130846, 130856, B4132-10A) Diff Quik® Solution I (130834, 130847, 130857, B4132-11A) Diff Quik® Solution II (130835, 130848, 130858, B4132-12A)
Code	: 130832, 130855, B4132-1A
Material uses	: Diagnostic agents.
Product type	: Liquid.
Manufacturer	: Medion Diagnostics AG Bonnstrasse 9 3186 Dürdingen Schweiz Tel.: (+41) 26 492 8702 Fax: (+41) 26 492 8656
Supplier	: 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
<u>In case of emergency</u>	: Transportation: (800) 424-9300 (CHEMTREC) Medical: (800) 228-5635 ext. 284 (Prosar)

2. Hazards identification

Physical state	: Diff Quik Fixative Solution Liquid. Diff-Quik Solution I Liquid. Diff-Quik Solution II Liquid.
OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Emergency overview	: CONTAINS MATERIAL THAT CAN CAUSE TARGET ORGAN DAMAGE. Contains material that can cause target organ damage. Not available.
<u>Potential acute health effects</u>	
Inhalation	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.
Skin	: No known significant effects or critical hazards.
Eyes	: No known significant effects or critical hazards.
<u>Potential chronic health effects</u>	
Chronic effects	: Contains material that can cause target organ damage.
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.

2 . Hazards identification

Fertility effects : No known significant effects or critical hazards.

Target organs : Diff Quik Fixative Solution Causes damage to the following organs: the nervous system, eye, lens or cornea.
May cause damage to the following organs: gastrointestinal tract, upper respiratory tract, skin, eyes, central nervous system (CNS).
Diff-Quik Solution I Not available.
Diff-Quik Solution II Not available.

Over-exposure signs/symptoms

Inhalation : No specific data.

Ingestion : No specific data.

Skin : No specific data.

Eyes : No specific data.

See toxicological information (section 11)

3 . Composition/information on ingredients

United States

<u>Name</u>	<u>CAS number</u>	<u>%</u>
Diff Quik Fixative Solution		
Methanol	67-56-1	100
Diff-Quik Solution I		
Sodium azide (Na(N ₃))	26628-22-8	0.095

Canada

<u>Name</u>	<u>CAS number</u>	<u>%</u>
Diff Quik Fixative Solution		
Methanol	67-56-1	100

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.

5 . Fire-fighting measures

- 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.
- 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. Do not ingest. Avoid contact with eyes, skin and clothing. 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

United States

Diff Quik Fixative Solution
Methanol

Exposure limits

ACGIH TLV (United States, 1/2008). Absorbed through skin.

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

OSHA PEL 1989 (United States, 3/1989). Absorbed through skin.

TWA: 200 ppm 8 hour(s).
TWA: 260 mg/m³ 8 hour(s).
STEL: 250 ppm 15 minute(s).
STEL: 325 mg/m³ 15 minute(s).

NIOSH REL (United States, 6/2008). Absorbed through skin.

TWA: 200 ppm 10 hour(s).
TWA: 260 mg/m³ 10 hour(s).
STEL: 250 ppm 15 minute(s).
STEL: 325 mg/m³ 15 minute(s).

8 . Exposure controls/personal protection

OSHA PEL (United States, 11/2006).

TWA: 200 ppm 8 hour(s).

TWA: 260 mg/m³ 8 hour(s).

Diff-Quik Solution I

Sodium azide (Na(N₃))

ACGIH TLV (United States, 1/2009).

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: 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, 1/2009). Notes: as hydrazoic acid vapor

C: 0.11 ppm, (as hydrazoic acid vapor) Form: as Hydrazoic acid vapor

8 . Exposure controls/personal protection

Diff Quik Fixative Solution

Methanol

CA Alberta Provincial (Canada, 6/2008). Absorbed through skin.

8 hrs OEL: 262 mg/m³ 8 hour(s).

8 hrs OEL: 200 ppm 8 hour(s).

15 min OEL: 250 ppm 15 minute(s).

15 min OEL: 328 mg/m³ 15 minute(s).

CA British Columbia Provincial (Canada, 6/2008). Absorbed through skin.

TWA: 200 ppm 8 hour(s).

STEL: 250 ppm 15 minute(s).

CA Ontario Provincial (Canada, 6/2008). Absorbed through skin.

TWAEV: 200 ppm 8 hour(s).

TWAEV: 260 mg/m³ 8 hour(s).

STEV: 250 ppm 15 minute(s).

STEV: 325 mg/m³ 15 minute(s).

CA Quebec Provincial (Canada, 6/2008). Absorbed through skin.

TWAEV: 200 ppm 8 hour(s).

TWAEV: 262 mg/m³ 8 hour(s).

STEV: 250 ppm 15 minute(s).

STEV: 328 mg/m³ 15 minute(s).

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	: Diff Quik Fixative Solution	Liquid.
	Diff-Quik Solution I	Liquid.
	Diff-Quik Solution II	Liquid.
Flash point	: Methanol	Closed cup: 12°C (53.6°F) Open cup: 15.85°C (60.5°F)
	Diff-Quik Solution I	Not available.
	Diff-Quik Solution II	Not available.
Auto-ignition temperature	: Diff Quik Fixative Solution	464°C (867.2°F)
	Diff-Quik Solution I	Not available.
	Diff-Quik Solution II	Not available.
Flammable limits	: Methanol	Lower: 5.5% Upper: >13%
	Diff-Quik Solution I	Not available.
	Diff-Quik Solution II	Not available.
Color	: Diff Quik Fixative Solution	Colorless.
	Diff-Quik Solution I	Red.
	Diff-Quik Solution II	Blue.
Molecular weight	: Diff Quik Fixative Solution	32.05 g/mole
	Diff-Quik Solution I	Not applicable.
	Diff-Quik Solution II	Not applicable.
Molecular formula	: Methanol	C-H4-O
	Diff-Quik Solution I	Not applicable.
	Diff-Quik Solution II	Not applicable.
pH	: Diff Quik Fixative Solution	Not available.
	Diff-Quik Solution I	Not available.
	Diff-Quik Solution II	Not available.
Boiling/condensation point	: Diff Quik Fixative Solution	64.5°C (148.1°F)
	Diff-Quik Solution I	Not available.
	Diff-Quik Solution II	Not available.
Melting/freezing point	: Methanol	-97.8°C (-144°F)
	Diff-Quik Solution I	Not available.
	Diff-Quik Solution II	Not available.
Relative density	: Diff Quik Fixative Solution	0.792
	Diff-Quik Solution I	Not available.
	Diff-Quik Solution II	Not available.
Vapor pressure	: Methanol	12.9 kPa (97 mm Hg)
	Diff-Quik Solution I	Not available.
	Diff-Quik Solution II	Not available.
Volatility	: Methanol	Not available.
	Diff-Quik Solution I	Not available.
	Diff-Quik Solution II	Not available.
Evaporation rate	: Methanol	2.1 (Butyl acetate. = 1)
	Diff-Quik Solution I	Not available.
	Diff-Quik Solution II	Not available.
Viscosity	: Methanol	Not available.
	Diff-Quik Solution I	Not available.
	Diff-Quik Solution II	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.

10 . Stability and reactivity

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
Methanol	LD50 Dermal	Rabbit	15800 mg/kg	-
	LD50 Intraperitoneal	Rat	7529 mg/kg	-
	LD50 Intravenous	Rat	2131 mg/kg	-
	LD50 Oral	Rat	5628 mg/kg	-
	LD50 Oral	Rat	5600 mg/kg	-
	LD50 Oral	Mouse	7300 mg/kg	-
	LD50 Oral	Rabbit	14200 mg/kg	-
	LDLo Oral	Male	6422 mg/kg	-
	LDLo Oral	Human/30 min	428 mg/kg	-
	LDLo Oral	Human/30 min	143 mg/kg	-
	LDLo Dermal	Monkey	393 mg/kg	-
	TDLo Intraperitoneal	Rat	3000 mg/kg	-
	TDLo Oral	Rat	8 g/kg	-
	TDLo Oral	Rat	3500 mg/kg	-
	TDLo Intraperitoneal	Rat	3490 mg/kg	-
	TDLo Oral	Rat	3 g/kg	-
	LC50 Inhalation Vapor	Rat	64000 ppm	4 hours
	LC50 Inhalation Gas.	Rat	64000 ppm	4 hours

Chronic toxicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
Diff Quik Fixative Solution						
Methanol	-	-	-	None.	-	None.
Diff-Quik Solution I						
Sodium azide (Na(N3))	A4	-	-	None.	-	-

Mutagenicity

Not available.

Teratogenicity

Not available.

Reproductive toxicity

Not available.

Canada

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
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11 . Toxicological information

Methanol	LD50 Dermal	Rabbit	15800 mg/kg	-
	LD50	Rat	7529 mg/kg	-
	Intraperitoneal			
	LD50 Intravenous	Rat	2131 mg/kg	-
	LD50 Oral	Rat	5628 mg/kg	-
	LD50 Oral	Rat	5600 mg/kg	-
	LD50 Oral	Mouse	7300 mg/kg	-
	LD50 Oral	Rabbit	14200 mg/kg	-
	LDLo Oral	Human/30 min	428 mg/kg	-
	LDLo Oral	Human/30 min	143 mg/kg	-
	LDLo Dermal	Monkey	393 mg/kg	-
	LDLo Oral	Male	6422 mg/kg	-
	TDLo	Rat	3000 mg/kg	-
	Intraperitoneal			
	TDLo Oral	Rat	3 g/kg	-
	TDLo Oral	Rat	8 g/kg	-
	TDLo Oral	Rat	3500 mg/kg	-
	TDLo	Rat	3490 mg/kg	-
	Intraperitoneal			
	LC50 Inhalation	Rat	64000 ppm	4 hours
	Gas.			
	LC50 Inhalation	Rat	64000 ppm	4 hours
	Vapor			

Chronic toxicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
Diff Quik Fixative Solution						
Methanol	-	-	-	None.	-	None.
Diff-Quik Solution I						
Sodium azide (Na(N ₃))	A4	-	-	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 22200 mg/L Fresh water	Daphnia - Water flea - Daphnia obtusa - Neonate - <24 hours	48 hours
	-	Acute EC50 16000 mg/L	Fish	48 hours
	-	Acute EC50 13200 mg/L	Fish	48 hours

12 . Ecological information

-	Acute EC50 >10000 mg/L	Daphnia	48 hours
-	Acute EC50 24500000 ug/L Fresh water	Daphnia - Water flea - Daphnia magna - LARVAE - <24 hours	48 hours
-	Acute EC50 13000000 ug/L Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss - Juvenile (Fledgling, Hatchling, Weanling) - 0.813 g	96 hours
-	Acute EC50 12700000 ug/L Fresh water	Fish - Bluegill - Lepomis macrochirus - Juvenile (Fledgling, Hatchling, Weanling) - 3.07 g	96 hours
-	Acute EC50 >10000000 ug/L Fresh water	Daphnia - Water flea - Daphnia magna - 6 to 24 hours	48 hours
-	Acute LC50 >100 mg/L	Daphnia	96 hours
-	Acute LC50 19 ml/L Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss - 0.8 g	96 hours
-	Acute LC50 >100000 ug/L Fresh water	Fish - Fathead minnow - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling) - 0.2 to 0.5 g	96 hours
-	Acute LC50 28000000 ug/L Marine water	Fish - Bleak - Alburnus alburnus - 8 to 10 cm	96 hours
-	Acute LC50 >28000000 ug/L Marine water	Fish - Bleak - Alburnus alburnus - 8 cm	96 hours
-	Acute LC50 15500 mg/L Fresh water	Fish - Bluegill - Lepomis macrochirus	96 hours
-	Acute LC50 20100000 ug/L Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss - Juvenile (Fledgling, Hatchling, Weanling) - 0.813 g	96 hours

12 . Ecological information

-	Acute LC50 15400000 ug/L Fresh water	Fish - Bluegill - Lepomis macrochirus - Juvenile (Fledgling, Hatchling, Weanling) - 3.07 g	96 hours
-	Acute LC50 15400 mg/L	Fish	96 hours
-	Acute LC50 3289 mg/L Fresh water	Daphnia - Water flea - Daphnia magna - Neonate - <24 hours	48 hours
-	Acute LC50 10000000 to 33000000 ug/L Marine water	Fish - Hooknose - Agonus cataphractus - Adult	96 hours
-	Acute LC50 >100 mg/L	Fish	96 hours
-	Acute LC50 2500000 ug/L Marine water	Crustaceans - Common shrimp, sand shrimp - Crangon crangon - Adult	48 hours

Biodegradability

Not available.

Canada

Aquatic ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
Methanol	-	Acute EC50 22200 mg/L Fresh water	Daphnia - Water flea - Daphnia obtusa - Neonate - <24 hours	48 hours
	-	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 EC50 24500000 ug/L Fresh water	Daphnia - Water flea - Daphnia magna - LARVAE - <24 hours	48 hours
	-	Acute EC50 13000000 ug/L Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss - Juvenile (Fledgling, Hatchling, Weanling) - 0.813 g	96 hours
	-	Acute EC50 12700000 ug/L Fresh water	Fish - Bluegill - Lepomis macrochirus - Juvenile	96 hours

12 . Ecological information

		(Fledgling, Hatchling, Weanling) - 3.07 g	
-	Acute EC50 >10000000 ug/L Fresh water	Daphnia - Water flea - Daphnia magna - 6 to 24 hours	48 hours
-	Acute LC50 >100 mg/L	Daphnia	96 hours
-	Acute LC50 19 ml/L Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss - 0.8 g	96 hours
-	Acute LC50 >100000 ug/L Fresh water	Fish - Fathead minnow - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling) - 0.2 to 0.5 g	96 hours
-	Acute LC50 >28000000 ug/L Marine water	Fish - Bleak - Alburnus alburnus - 8 cm	96 hours
-	Acute LC50 28000000 ug/L Marine water	Fish - Bleak - Alburnus alburnus - 8 to 10 cm	96 hours
-	Acute LC50 15500 mg/L Fresh water	Fish - Bluegill - Lepomis macrochirus	96 hours
-	Acute LC50 20100000 ug/L Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss - Juvenile (Fledgling, Hatchling, Weanling) - 0.813 g	96 hours
-	Acute LC50 15400000 ug/L Fresh water	Fish - Bluegill - Lepomis macrochirus - Juvenile (Fledgling, Hatchling, Weanling) - 3.07 g	96 hours
-	Acute LC50 15400 mg/L	Fish	96 hours
-	Acute LC50 3289 mg/L Fresh water	Daphnia - Water flea - Daphnia magna - Neonate - <24 hours	48 hours
-	Acute LC50 10000000 to 33000000 ug/L Marine water	Fish - Hooknose - Agonus cataphractus - Adult	96 hours

12 . Ecological information

-	Acute LC50 >100 mg/L	Fish	96 hours
-	Acute LC50 2500000 ug/L Marine water	Crustaceans - Common shrimp, sand shrimp - Crangon crangon - Adult	48 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.

Not available.





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	UN1230	Methanol	3 (6.1)	II	 	-
TDG Classification	UN1230	Not available.	3 (6.1)	II	 	Special provisions 43
Mexico Classification ADR/RID Class	Not available. UN1230	Not available. Methanol	Not available. 3 (6.1)	- II	 	- Hazard identification number 336 Limited quantity LQ0 CEFIC Tremcard 30S1230

14 . Transport information

IMDG Class	UN1230	Methanol	3 (6.1)	II	 	Emergency schedules (EmS) 3-06
IATA-DGR Class	UN1230	Methanol	3 (6.1)	II	 	Passenger and Cargo Aircraft Quantity limitation: 1 L Cargo Aircraft Only Quantity limitation: 60 L Limited Quantities - Passenger Aircraft Quantity limitation: 1 L

PG* : Packing group

15 . Regulatory information

United States

HCS Classification

: Target organ effects

U.S. Federal regulations

: **United States inventory (TSCA 8b):** All components are listed or exempted.
TSCA 8(d) H and S data reporting: Phosphoric acid, potassium salt (1:1)**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: No products were found.**Clean Water Act (CWA) 311:** Phosphoric acid, sodium salt (1:2)**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.

SARA 313

Form R - Reporting requirements

Product name

: **Diff Quik Fixative Solution**
Methanol

CAS number

67-56-1

Concentration

100

Supplier notification

: **Diff Quik Fixative Solution**
Methanol

67-56-1

100

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

15 . Regulatory information

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: The following components are listed:
Methanol

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

United States inventory (TSCA 8b) : All components are listed or exempted.

Use only for medical diagnostic (R&D) purposes

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).

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 : All components are listed or exempted.

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.
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):** All components are listed or exempted.
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): All components are listed or exempted.
Philippines inventory (PICCS): Not determined.

Date of printing : 10/12/2009.

Date of issue : 10/12/2009.

16 . Other information

Version : 1.01

Notice to reader

Information contained herein is based solely on data provided by the manufacturer. 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.