

# SAFETY DATA SHEET

Doc. ID: 66115-75 AF Revised (year/month/day) 2013/04/25

# Section 1 Identification of the Substance/mixture and of the Company/undertaking

- 1.1
   Product Identifier

   Product Name
   Gastroccult®Developer

   Part Number
   66115

   Series Name
   66000 Series
- 1.2 Relevant identified uses of the substance or mixture and uses advised against Product Use For In Vitro Diagnostic Use. See product literature for details.
- **1.3** Details of supplier of the safety data sheet

### Manufacturer

Beckman Coulter, Inc. 250 S. Kraemer Blvd Brea, CA 92821, U.S.A. Tel: 800-854-3633 SDSNT@beckman.com EC REP Address

Beckman Coulter Ireland Inc. Mervue Business Park Mervue, Galway, Ireland Tel: 353 91 774068

e-mail address

### 1.4 Emergency telephone number

Telephone number (24H)

Chemtrec Emergency Tel No. U.S.A. 800-424-9300, International (001) 703-527-3887

Distributor and Emergency Phone No.

Refer to attached list, Document ID: 472050, for local distributor and emergency phone numbers.

# Section 2 Hazards Identification

2.1	Classification of substance or mixture	
	Product Description	Mixture
		Colorless; Clear; Liquid; Alcohol odor
	Classification according to EC	Directives 1999/45/EC and 67/548/EEC
		Xn;R10-20/21/22-68/20/21/22
	US OSHA	Hazardous
	WHMIS	Exempt
	Physical Hazards	Vapors of flammable ingredients are heavier than air and may travel to an ignition source, ignite and flash back.
	Potential Health Effects Summary	May cause eye, skin and respiratory tract irritation and central nervous system depression with headache, dizziness, nausea and unconsciousness. Harmful by inhalation, in contact with skin and if swallowed.



## Section 2 Hazards Identification (Continued)

### 2.2 Label Elements

### According to EC Directives (1999/45/EC and 67/548 EEC)



### **Risk and Safety Phrases**

R10 Flammable.
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R68/20/21/22 Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

S16 Keep away from sources of ignition - No smoking. S36/37 Wear suitable protective clothing and gloves.

S7 Keep container tightly closed.

2.3 Other Hazard

None identified

See Section 11 Toxicological Information for more detailed health information.

# **Section 3 Composition and Information on Ingredients**

3.2 Mixture						
Hazardous Ingredients:		ŀ	Hazard Classification of Pure Ingredients			
Chemical Name	% by wt.	EU-67/548/EEC	EU 1272/2008 CLP/GHS	US OSHA	WHMIS	
Ethanol-methanol mix CAS # 8013-52-3 EINECS # Not available Index # Not available	< 50	F;R11 Xn;R20/21/22- 68/20/21/22	Acute Tox. Dermal 4 Acute Tox. Inhal. 4 Acute Tox. Oral 4 Flam. Liq. 2 STOT SE 2 H225; H302; H312; H332; H371	Flammable Irritant Toxic	B2; D2B	
Citric Acid CAS # 77-92-9 EINECS # 201-069-1 Index # Not available	<5	Xi;R36	Acute Tox. Dermal 5 Eye Irrit. 2 Skin Irrit. 3 H313; H316; H319	Corrosive	E	
Hydrogen Peroxide CAS # 7722-84-1 EINECS # 231-765-0 Index # 008-003-00-9	<5	O;R5-8 C;R35-20/22	Acute Tox. Inhal. 4 Acute Tox. Oral 4 Eye Dam. 1 Ox. Liq. 1 STOT SE 3 Skin Corr. 1A H271; H302; H314; H318; H332; H335	Oxidizer Corrosive	C; E	
octylphenoxy- poly(ethoxyethanol) CAS # 9036-19-5 EINECS # Not available Index # Not available	<5	Xi;R37/38-41	Acute Tox. Oral 5 Eye Dam. 1 H303; H318	Irritant	D2B	

See section 8 for available Occupational exposure limits

See Section 15 for additional regulatory information

See Section 16 for hazard class, hazard statements and risk phrase description



### Section 4 First Aid Measures

	Oection 4 First Ald Medsures		
4.1	Description of first aid mea	sures	
	Inhalation	If product is inhaled, move exposed individual to fresh air. If individual is not breathing, begin artificial respiration immediately and obtain medical attention.	
	Eye Contact	If product enters eyes, wash eyes gently under running water for 15 minutes or longer, making sure that the eyelids are held open. If pain or irritation occur, obtain medical attention.	
	Skin Contact	In case of skin contact, flush with copious amounts of water for at least 15 minutes. If pain or irritation occur, obtain medical attention.	
	Ingestion	If ingested, wash mouth out with water. If irritation or discomfort occurs, seek medical attention.	
4.2	Most important symptoms a	and effects, both acute and delayed	
		See Section 11 Toxicological Information for more detailed health information.	
4.3	Indication of any immediate medical attention and special treatment needed		
		No specific medical attention or treatment required.	
	S	ection 5 Fire Fighting Measures	
	Flammable Properties	Flammable liquid and vapor.	
5.1	Extinguishing Media	Use extinguishing media suitable for surrounding fire.	
5.2	Special hazards arising from	m the substance or mixture	
	Special Fire and Explosion Hazards		
		Vapors form explosive mixtures with air. Vapors are heavier than air; fire may flash from ignition source back along vapor trail.	
	Hazardous Combustion Pro	ducts	
		Depending upon fire conditions, combustion products may range from irritants	

5.3 Advice for fire fighters **Protective Equipment** Self-contained breathing apparatus is recommended for firefighters in all chemical fire situations. 5.4 Additional information

and asphyxiants to acutely toxic gases.

None

# **Section 6 Accidental Release Measures**

6.1	Personal precaution, protective equipment and emergency procedures		
	Personal Precautions	Use good laboratory procedures; avoid eye and skin contact.	
6.2	Environmental Precautions	Contain spill to prevent migration.	



7.3

## Section 6 Accidental Release Measures (Continued)

6.3	Methods and material for containment and cleaning up		
	Spill and Leak Procedures	Absorb spilled material with an appropriate inert, non-flammable absorbent and dispose according to local regulations.	
6.4	Reference to other sections	Refer sections 8 and 13.	

# Section 7 Handling and Storage

7.1 Precautions for safe handling	Use good laboratory procedures; avoid eye and skin contact.
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### 7.2 Conditions for safe storage, including any incompatibilities

To maintain efficacy, store according to the instructions in the product labeling. Keep away from incompatible material (see Section 10). No data available.

Specific end uses No data available.

### **Section 8 Exposure Controls and Personal Protection**

8.1	Control parameters	
	Exposure Limits	
	US OSHA	
	Hydrogen Peroxide CAS # 7722-84-1	1 ppm TWA; 1.4 mg/m3 TWA
	ACGIH	
	Hydrogen Peroxide CAS # 7722-84-1	1 ppm TWA
	DFG MAK	
	Hydrogen Peroxide CAS # 7722-84-1	0.5 ppm Peak; 0.71 mg/m3 Peak; 0.5 ppm TWA MAK; 0.71 mg/m3 TWA MAK
	Ireland	
	Hydrogen Peroxide CAS # 7722-84-1	1 ppm TWA; 1.5 mg/m3 TWA; 2 ppm STEL; 3 mg/m3 STEL
	NIOSH	
	Hydrogen Peroxide CAS # 7722-84-1	75 ppm IDLH; 1 ppm TWA; 1.4 mg/m3 TWA
	Japan	None established
8.2	Exposure controls	
	Engineering Controls	No special engineering controls are required. Use with good general ventilation.
	Eye Protection	Safety glasses or chemical goggles should be worn to prevent eye contact. Refer U.S. OSHA 29 CFR 1910.133, European Standard EN166 or appropriate government standards.



# Section 8 Exposure Controls and Personal Protection (Continued)

Skin Protection	Impervious gloves, such as Nitrile or equivalent, should be worn to prevent skin contact. Refer U.S. OSHA 29 CFR 1910.138, European Standard EN374 or appropriate government standards.
Respiratory Protection	Under normal conditions, the use of this product should not require respiratory protection. If overexposure should occur and ventilation is not adequate to maintain airborne concentrations at acceptable levels, the use of respiratory protection should be evaluated by a qualified professional.

# **Section 9 Physical and Chemical Properties**

### 9.1 Information on basic physical and chemical properties **Physical State** Liquid Specific Gravity 0.90 @20°C (Water=1.0) Color Colorless Solubility Clear Miscible Transparency Water Odor Alcohol odor Organic Not determined 5 - 5.5**Coefficient of Water/Oil** Not determined pН Distribution **Freezing Point** Not determined Autoignition Temp. Not determined < 100°C (212°F) Not determined **Boiling Point** Decomposition Temperature 21°C (69.8°F) Not determined Flash Point **Percent Volatiles Evaporation Rate Vapor Pressure** 18 mm Hg @19°C Not determined Flammability (Solid, Gas) Not applicable Viscosity Not determined **Flammable Limits** Not determined **Explosive Properties** Not applicable Vapor Density 1.6 (air=1) **Oxidizing Properties** Not determined **Odor Threshold** Not applicable 9.2 Other Information None

# Section 10 Stability and Reactivity

10.1	Reactivity	No data available.
10.2	Chemical Stability	Stable under normal temperatures and pressures.
10.3	Possibility of hazardous react	tions
		No data available.
10.4	Conditions to Avoid	Avoid contact with incompatible materials.
10.5	Incompatible materials	Strong bases



# Section 11 Toxicological Information

### 11.1 Information on toxicological effects

### **Toxicity Data for Hazardous Ingredients**

Citric Acid CAS # 77-92-9	Oral LD50 Rat 3000 mg/kg	
Hydrogen Peroxide CAS # 7722-84-1	Inhalation LC50 Rat 2 mg/L 4 h; Oral LD50 Rat 801 mg/kg; Dermal LD50 Rat 4060 mg/kg; Dermal LD50 Rabbit 2000 mg/kg	
octylphenoxypoly(ethoxyethanol) CAS # 9036-19-5	Oral LD50 Rat 4190 mg/kg	
Primary Routes of Exposure	Eye contact, ingestion, inhalation, and skin contact.	
Skin/Respiratory sensitization	Exposure may result in irritation of skin, eyes, and mucous membranes.	
Carcinogenicity	This product does not contain a reportable concentration ( $\geq 0.1\%$ ) of any ingredient listed as carcinogen by ACGIH, IARC, NTP, OSHA or 67/548/EEC Annex I.	
Mutagenicity	None identified	
Reproductive Toxicity	Reproductive effects have been reported in animal studies.	
Potential Effects of Acute Exp	osure	
	May cause irritation or burning of skin and eyes by contact. Inhalation and ingestion of large volumes may cause burning of mucous membrane, respiratory irritation, and central nervous system depression.	
Potential Effects of Chronic Exposure		
	Chronic exposure may result in effects similar to those described for acute exposure. Frequent or long-term contact may dry out the skin resulting in dermatitis.	
Symptoms of Overexposure	Symptoms of overexposure may include: throat irritation and coughing; dry, red, cracked skin; red irritated eyes; headache, drowsiness, dizziness, stupor; convulsions and coma.	
Conditions Aggravated by Exposure		
	Individuals with eye and skin disorders may find these conditions aggravated by exposure to this product.	
	Individuals with eye, kidney, liver and cardiovascular, nervous and respiratory system disorders may find these conditions aggravated by exposure to this product.	
Other Information	None identified	

## **Section 12 Ecological Information**

### 12.1 Ecotoxicity

### Fresh Water Species

Citric Acid CAS # 77-92-9
Hydrogen Peroxide CAS # 7722-84-1

96 h LC50 Lepomis macrochirus: 1516 mg/L [static] 96 h LC50 Pimephales promelas: 16.4 mg/L; 96 h LC50 Lepomis macrochirus: 18-56 mg/L [static]; 96 h LC50 Oncorhynchus mykiss: 10.0-32.0 mg/L [static]



# Section 12 Ecological Information (Continued)

	Microtox	No information available.
	Water Flea	
	Citric Acid CAS # 77-92-9	72 h EC50 Daphnia magna: 120 mg/L
	Hydrogen Peroxide CAS # 7722-84-1	24 h EC50 Daphnia magna: 7.7 mg/L; 48 h EC50 Daphnia magna: 18 - 32 mg/L [Static]
	Fresh Water Algae	
	Hydrogen Peroxide CAS # 7722-84-1	72 h EC50 Chlorella vulgaris: 2.5 mg/L
12.2	Persistence and degradability	No information available.
12.3	Bioaccumulation	No information available.
12.4	Mobility in soil	No information available.
12.5	Results of PBT and vPvB assessment	
		Not applicable
12.6	Other Adverse Effects	No information available.

## **Section 13 Disposal Considerations**

# 13.1 Waste treatment methods Product Waste Disposal Dispose of waste product, unused product and contaminated packaging in compliance with federal, state and local regulations. If unsure of the applicable requirements, contact the authorities for information. 13.2 Additional information None

## **Section 14 Transport Information**

	Shipping Information	ΙΑΤΑ	IMDG	US DOT	European ADR	Canadian TDG
14.1	UN/ID Number	1987	1987	1987	1987	PIN - 1987
14.2	Shipping Name	Alcohols, n.o.s. (Etha	nol methanol solution)			
14.3	Hazard Class	3 Flammable Liquids	3 Flammable liquids	3 Flammable liquid	3 Flammable Liquids	3 Flammable Liquids
	Subsidiary Risk	None	None	None	None	None
	<b>Classification Code</b>	Not applicable	Not applicable	Not applicable	F1	Not applicable
14.4	Packing Group	II	II	II	II	Ш
	Special Provisions	A3	274	None	None	None
	Additional information					
	IATA ERG Code	3L	Not applicable	Not applicable	Not applicable	Not applicable
	EmS	Not applicable	F-E, S-D	Not applicable	Not applicable	Not applicable
	NAERG Code	Not applicable	Not applicable	127	Not applicable	127



Section 14 Transport Information (Continued)							
	Shipping Information	IATA	IMDG	US DOT	European ADR	Canadian TDG	
14.5	Environmental Hazar	ď					
	Marine Pollutant	Not applicable	No	Not applicable	Not applicable	Not applicable	
14.6	Special Precaution	s for users					
			None				
	Section 15 Regulatory Information						
15.1	Safety, health and US Federal and St		-	legislation specific fo	or the substance	or mixture	
	SARA 313		Ethylene Oxide is SARA. 0.1 % de	s subject to reporting req minimis concentration bject to reporting require concentration			
	CERCLA RG's, 40 CFR 302.4 California Proposition 65		Ethylene Oxide is listed. 1,4-Dioxane is listed.				
			Ethylene Oxide has been identified by the State of California to cause cancer and reproductive harm. The State of California has adopted a regulation which requires a warning be given to individual who may be exposed to chemicals identified by the State to cause cancer or reproductive harm. Accordingly, Beckman Coulter advises you of the following warning: <b>WARNING</b> : This product contains a chemical known to the State of California to cause cancer and reproductive harm.				
			State of California to individual who cancer or reprodu following warning	been identified by the St a has adopted a regulation may be exposed to cher active harm. Accordingly product contains a cherr	on which requires a nicals identified by t , Beckman Coulter a	warning be given he State to cause advises you of the	
	Massachusetts MS	SL	Ethylene Oxide is 1,4-Dioxane is lis Hydrogen Peroxid	ted.			
	New Jersey Dept.	w Jersey Dept. of Health RTK List					
			Ethylene Oxide is 1,4-Dioxane is lis Hydrogen Peroxid	sted.			
	Pennsylvania RTK	ζ.	Ethylene Oxide is 1,4-Dioxane is lis Hydrogen Peroxid	sted.			



# Section 15 Regulatory Information (Continued)

### **EU Regulations**

This SDS complies with EC Regulations 1907/2006 (REACH) and amendments.

1987

Water Hazard Class (Germany) WGK 1, low water endangering

REACH 1907/2006 EC - Annex XIV - list of substances subject to authorization.

No ingredients listed.

### <u>Canada</u>

This product is exempt from WHMIS label and SDS requirements.

PIN

### Ingredients on Ingredient Disclosure List

Ethylene Oxide Citric Acid 1,4-Dioxane Hydrogen Peroxide octylphenoxypoly(ethoxyethanol)

### Ingredients with unknown toxicological properties

Product is exempt

### 15.2 Chemical Safety Assessment Not available

Some hazardous ingredients listed in Section 15 are below OSHAs and WHMIS' 1.0% w/w (0.1% for carcinogens) or EU's ingredient specific concentrations required for reporting in Section 3.

Beckman Coulter Safety Rating	Flammability: 3 Health: 2 Reactivity with Water: 2 Contact: 2	Code 0=None 1=Slight 2=Caution 3=Severe		
Revision Changes	Revised per 453/2010 EC and ANSI 2	Z400.1-2004 Standard.		
Hazard Class, hazard statements	and risk phrase description from se	ection 3		
	C - Corrosive			
	F - Highly flammable			
	O - Oxidising			
	Xi - Irritant			
	Xn - Harmful			
	R11 Highly flammable.			
	R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.			
	R68/20/21/22 Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.			
	R35 Causes severe burns.			
	R20/22 Harmful by inhalation and if swallowed.			
	R36 Irritating to eyes.			
	R37/38 Irritating to respiratory system	and skin.		
	R41 Risk of serious damage to eyes.			
	R5 Heating may cause an explosion.			
	R8 Contact with combustible material	may cause fire.		

# **Section 16 Other Information**



# Section 16 Other Information (Continued)

<ul> <li>B2 - Flammable and Combustible Material: Flammable Liquid</li> <li>C - Oxidizing Material</li> <li>D2B - Poisonous and Infectious Material: Division 2 - Other Toxic Effects: Toxic (Chronic Toxic Effects)</li> <li>D2B - Poisonous and Infectious Material: Division 2 - Other Toxic Effects: Toxic (Skin or Eye Irritation)</li> <li>E - Corrosive Material</li> <li>Acute Tox. Dermal 4 - Acute Toxicity Dermal, Category 4</li> <li>Acute Tox. Dermal 5 - Acute Toxicity Dermal, Category 4</li> <li>Acute Tox. Inhal. 4 - Acute Toxicity Inhalation, Category 4</li> <li>Acute Tox. Inhal. 4 - Acute Toxicity Inhalation, Category 4</li> <li>Acute Tox. Oral 5 - Acute Toxicity Oral, Category 4</li> <li>Acute Tox. Oral 5 - Acute Toxicity Oral, Category 5</li> <li>Eye Dam. 1 - Eye Damage Category 1</li> <li>Eye Irrit. 2 - Eye Irritation Category 2</li> <li>Flam. Liq. 2 - Flammable Liquids, Category 1</li> <li>Skin Corr. 1A - Skin Corrosion Category 3</li> <li>STOT SE 2 - Specific Target Organ Toxicity Single Exposure Category 3</li> <li>H225 - Highly flammable liquid and vapour.</li> <li>H227 - May cause fire or explosion; strong oxidiser.</li> <li>H330 - May be harmful if swallowed</li> <li>H314 - Causes serious eye damage.</li> <li>H316 - Causes serious eye damage.</li> <li>H318 - Causes serious eye damage.</li> <li>H319 - Causes serious eye damage.</li> <li>H319 - Causes serious eye damage.</li> <li>H314 - May cause damage to organs.</li> </ul>	
<ul> <li>D2B - Poisonous and Infectious Material: Division 2 - Other Toxic Effects: Toxic (Chronic Toxic Effects)</li> <li>D2B - Poisonous and Infectious Material: Division 2 - Other Toxic Effects: Toxic (Skin or Eye Irritation)</li> <li>E - Corrosive Material</li> <li>Acute Tox. Dermal 4 - Acute Toxicity Dermal, Category 4</li> <li>Acute Tox. Dermal 5 - Acute Toxicity Dermal, Category 4</li> <li>Acute Tox. Dermal 5 - Acute Toxicity Dermal, Category 4</li> <li>Acute Tox. Inhal. 4 - Acute Toxicity Inhalation, Category 4</li> <li>Acute Tox. Oral 4 - Acute Toxicity Oral, Category 4</li> <li>Acute Tox. Oral 5 - Acute Toxicity Oral, Category 4</li> <li>Acute Tox. Oral 5 - Acute Toxicity Oral, Category 5</li> <li>Eye Dam. 1 - Eye Damage Category 1</li> <li>Eye Irrit. 2 - Eye Irritation Category 2</li> <li>Ox. Liq. 1 - Oxidizing Liquids Category 1</li> <li>Skin Corr. 1A - Skin Corrosion Category 1</li> <li>Skin Corr. 1A - Skin Corrosion Category 3</li> <li>STOT SE 2 - Specific Target Organ Toxicity Single Exposure Category 2</li> <li>STOT SE 3 - Specific Target Organ Toxicity Single Exposure Category 3</li> <li>H225 - Highly flammable liquid and vapour.</li> <li>H271 - May cause fire or explosion; strong oxidiser.</li> <li>H302 - Harmful if swallowed</li> <li>H313 - May be harmful In contact with skin</li> <li>H314 - Causes serious eye damage.</li> <li>H314 - Causes serious eye damage.</li> <li>H319 - Causes serious eye damage.</li> <li>H319 - Causes serious eye irritation.</li> <li>H332 - Harmful if inhaled.</li> <li>H335 - May cause respiratory irritation.</li> </ul>	B2 - Flammable and Combustible Material: Flammable Liquid
<ul> <li>(Chronic Toxic Effects)</li> <li>D2B - Poisonous and Infectious Material: Division 2 - Other Toxic Effects: Toxic (Skin or Eye Irritation)</li> <li>E - Corrosive Material</li> <li>Acute Tox. Dermal 4 - Acute Toxicity Dermal, Category 4</li> <li>Acute Tox. Inhal. 4 - Acute Toxicity Inhalation, Category 5</li> <li>Acute Tox. Oral 4 - Acute Toxicity Oral, Category 4</li> <li>Acute Tox. Oral 4 - Acute Toxicity Oral, Category 4</li> <li>Acute Tox. Oral 5 - Acute Toxicity Oral, Category 5</li> <li>Eye Dam. 1 - Eye Damage Category 1</li> <li>Eye Irrit. 2 - Eye Irritation Category 2</li> <li>Flam. Liq. 2 - Flammable Liquids, Category 1</li> <li>Skin Corr. 1A - Skin Corrosion Category 1</li> <li>Skin Irrit. 3 - Skin Irritation Category 3</li> <li>STOT SE 2 - Specific Target Organ Toxicity Single Exposure Category 3</li> <li>H225 - Highly flammable liquid and vapour.</li> <li>H227 - May cause fire or explosion; strong oxidiser.</li> <li>H302 - Harmful if swallowed.</li> <li>H313 - May be harmful In contact with skin.</li> <li>H314 - Causes severe skin burns and eye damage.</li> <li>H316 - Causes serious eye armage.</li> <li>H318 - Causes serious eye irritation.</li> <li>H335 - May cause respiratory irritation.</li> </ul>	C - Oxidizing Material
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Acute Tox. Inhal. 4 - Acute Toxicity Inhalation, Category 4Acute Tox. Oral 4 - Acute Toxicity Oral, Category 4Acute Tox. Oral 5 - Acute Toxicity Oral, Category 5Eye Dam. 1 - Eye Damage Category 1Eye Irrit. 2 - Eye Irritation Category 2Flam. Liq. 2 - Flammable Liquids, Category 1Skin Corr. 1A - Skin Corrosion Category 1Skin Irrit. 3 - Skin Irritation Category 3STOT SE 2 - Specific Target Organ Toxicity Single Exposure Category 3H225 - Highly flammable liquid and vapour.H271 - May cause fire or explosion; strong oxidiser.H303 - May be harmful if swallowedH312 - Harmful in contact with skin.H314 - Causes serious exin burs and eye damage.H316 - Causes mild skin irritationH318 - Causes serious eye damage.H319 - Causes serious eye irritation.H335 - May cause respiratory irritation.	Acute Tox. Dermal 4 - Acute Toxicity Dermal, Category 4
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Acute Tox. Oral 5 - Acute Toxicity Oral, Category 5Eye Dam. 1 - Eye Damage Category 1Eye Irrit. 2 - Eye Irritation Category 2Flam. Liq. 2 - Flammable Liquids, Category 2Ox. Liq. 1 - Oxidizing Liquids Category 1Skin Corr. 1A - Skin Corrosion Category 1ASkin Irrit. 3 - Skin Irritation Category 3STOT SE 2 - Specific Target Organ Toxicity Single Exposure Category 3H225 - Highly flammable liquid and vapour.H271 - May cause fire or explosion; strong oxidiser.H302 - Harmful if swallowed.H314 - Causes severe skin burns and eye damage.H314 - Causes serious eye damage.H318 - Causes serious eye damage.H319 - Causes serious eye irritation.H332 - Harmful if inhaled.H335 - May cause respiratory irritation.	Acute Tox. Inhal. 4 - Acute Toxicity Inhalation, Category 4
<ul> <li>Eye Dam. 1 - Eye Damage Category 1</li> <li>Eye Irrit. 2 - Eye Irritation Category 2</li> <li>Flam. Liq. 2 - Flammable Liquids, Category 2</li> <li>Ox. Liq. 1 - Oxidizing Liquids Category 1</li> <li>Skin Corr. 1A - Skin Corrosion Category 1A</li> <li>Skin Irrit. 3 - Skin Irritation Category 3</li> <li>STOT SE 2 - Specific Target Organ Toxicity Single Exposure Category 2</li> <li>STOT SE 3 - Specific Target Organ Toxicity Single Exposure Category 3</li> <li>H225 - Highly flammable liquid and vapour.</li> <li>H271 - May cause fire or explosion; strong oxidiser.</li> <li>H302 - Harmful if swallowed.</li> <li>H303 - May be harmful if swallowed</li> <li>H312 - Harmful in contact with skin.</li> <li>H313 - May be harmful In contact with skin</li> <li>H314 - Causes severe skin burns and eye damage.</li> <li>H316 - Causes mild skin irritation</li> <li>H318 - Causes serious eye damage.</li> <li>H319 - Causes serious eye irritation.</li> <li>H332 - Harmful if inhaled.</li> <li>H335 - May cause respiratory irritation.</li> </ul>	Acute Tox. Oral 4 - Acute Toxicity Oral, Category 4
<ul> <li>Eye Irrit. 2 - Eye Irritation Category 2</li> <li>Flam. Liq. 2 - Flammable Liquids, Category 2</li> <li>Ox. Liq. 1 - Oxidizing Liquids Category 1</li> <li>Skin Corr. 1A - Skin Corrosion Category 1A</li> <li>Skin Irrit. 3 - Skin Irritation Category 3</li> <li>STOT SE 2 - Specific Target Organ Toxicity Single Exposure Category 2</li> <li>STOT SE 3 - Specific Target Organ Toxicity Single Exposure Category 3</li> <li>H225 - Highly flammable liquid and vapour.</li> <li>H271 - May cause fire or explosion; strong oxidiser.</li> <li>H302 - Harmful if swallowed.</li> <li>H303 - May be harmful if swallowed</li> <li>H312 - Harmful in contact with skin.</li> <li>H313 - May be harmful In contact with skin</li> <li>H314 - Causes severe skin burns and eye damage.</li> <li>H316 - Causes mild skin irritation</li> <li>H318 - Causes serious eye damage.</li> <li>H319 - Causes serious eye irritation.</li> <li>H332 - Harmful if inhaled.</li> <li>H335 - May cause respiratory irritation.</li> </ul>	Acute Tox. Oral 5 - Acute Toxicity Oral, Category 5
<ul> <li>Flam. Liq. 2 - Flammable Liquids, Category 2</li> <li>Ox. Liq. 1 - Oxidizing Liquids Category 1</li> <li>Skin Corr. 1A - Skin Corrosion Category 1A</li> <li>Skin Irrit. 3 - Skin Irritation Category 3</li> <li>STOT SE 2 - Specific Target Organ Toxicity Single Exposure Category 2</li> <li>STOT SE 3 - Specific Target Organ Toxicity Single Exposure Category 3</li> <li>H225 - Highly flammable liquid and vapour.</li> <li>H271 - May cause fire or explosion; strong oxidiser.</li> <li>H302 - Harmful if swallowed.</li> <li>H303 - May be harmful if swallowed</li> <li>H312 - Harmful in contact with skin.</li> <li>H313 - May be harmful In contact with skin</li> <li>H314 - Causes severe skin burns and eye damage.</li> <li>H316 - Causes serious eye damage.</li> <li>H319 - Causes serious eye irritation.</li> <li>H332 - Harmful if inhaled.</li> <li>H335 - May cause respiratory irritation.</li> </ul>	Eye Dam. 1 - Eye Damage Category 1
<ul> <li>Ox. Liq. 1 - Oxidizing Liquids Category 1</li> <li>Skin Corr. 1A - Skin Corrosion Category 1A</li> <li>Skin Irrit. 3 - Skin Irritation Category 3</li> <li>STOT SE 2 - Specific Target Organ Toxicity Single Exposure Category 2</li> <li>STOT SE 3 - Specific Target Organ Toxicity Single Exposure Category 3</li> <li>H225 - Highly flammable liquid and vapour.</li> <li>H271 - May cause fire or explosion; strong oxidiser.</li> <li>H302 - Harmful if swallowed.</li> <li>H303 - May be harmful if swallowed</li> <li>H312 - Harmful in contact with skin.</li> <li>H313 - May be harmful In contact with skin</li> <li>H314 - Causes severe skin burns and eye damage.</li> <li>H316 - Causes mild skin irritation</li> <li>H318 - Causes serious eye damage.</li> <li>H319 - Causes serious eye irritation.</li> <li>H332 - Harmful if inhaled.</li> <li>H335 - May cause respiratory irritation.</li> </ul>	Eye Irrit. 2 - Eye Irritation Category 2
<ul> <li>Skin Corr. 1A - Skin Corrosion Category 1A</li> <li>Skin Irrit. 3 - Skin Irritation Category 3</li> <li>STOT SE 2 - Specific Target Organ Toxicity Single Exposure Category 2</li> <li>STOT SE 3 - Specific Target Organ Toxicity Single Exposure Category 3</li> <li>H225 - Highly flammable liquid and vapour.</li> <li>H271 - May cause fire or explosion; strong oxidiser.</li> <li>H302 - Harmful if swallowed.</li> <li>H303 - May be harmful if swallowed</li> <li>H312 - Harmful in contact with skin.</li> <li>H313 - May be harmful In contact with skin</li> <li>H314 - Causes severe skin burns and eye damage.</li> <li>H316 - Causes mild skin irritation</li> <li>H318 - Causes serious eye damage.</li> <li>H319 - Causes serious eye irritation.</li> <li>H332 - Harmful if inhaled.</li> <li>H335 - May cause respiratory irritation.</li> </ul>	Flam. Liq. 2 - Flammable Liquids, Category 2
<ul> <li>Skin Irrit. 3 - Skin Irritation Category 3</li> <li>STOT SE 2 - Specific Target Organ Toxicity Single Exposure Category 2</li> <li>STOT SE 3 - Specific Target Organ Toxicity Single Exposure Category 3</li> <li>H225 - Highly flammable liquid and vapour.</li> <li>H271 - May cause fire or explosion; strong oxidiser.</li> <li>H302 - Harmful if swallowed.</li> <li>H303 - May be harmful if swallowed</li> <li>H312 - Harmful in contact with skin.</li> <li>H313 - May be harmful In contact with skin</li> <li>H314 - Causes severe skin burns and eye damage.</li> <li>H316 - Causes mild skin irritation</li> <li>H318 - Causes serious eye damage.</li> <li>H319 - Causes serious eye irritation.</li> <li>H332 - Harmful if inhaled.</li> <li>H335 - May cause respiratory irritation.</li> </ul>	Ox. Liq. 1 - Oxidizing Liquids Category 1
<ul> <li>STOT SE 2 - Specific Target Organ Toxicity Single Exposure Category 2</li> <li>STOT SE 3 - Specific Target Organ Toxicity Single Exposure Category 3</li> <li>H225 - Highly flammable liquid and vapour.</li> <li>H271 - May cause fire or explosion; strong oxidiser.</li> <li>H302 - Harmful if swallowed.</li> <li>H303 - May be harmful if swallowed</li> <li>H312 - Harmful in contact with skin.</li> <li>H313 - May be harmful In contact with skin</li> <li>H314 - Causes severe skin burns and eye damage.</li> <li>H316 - Causes mild skin irritation</li> <li>H318 - Causes serious eye damage.</li> <li>H319 - Causes serious eye irritation.</li> <li>H332 - Harmful if inhaled.</li> <li>H335 - May cause respiratory irritation.</li> </ul>	Skin Corr. 1A - Skin Corrosion Category 1A
<ul> <li>STOT SE 3 - Specific Target Organ Toxicity Single Exposure Category 3</li> <li>H225 - Highly flammable liquid and vapour.</li> <li>H271 - May cause fire or explosion; strong oxidiser.</li> <li>H302 - Harmful if swallowed.</li> <li>H303 - May be harmful if swallowed</li> <li>H312 - Harmful in contact with skin.</li> <li>H313 - May be harmful In contact with skin</li> <li>H314 - Causes severe skin burns and eye damage.</li> <li>H316 - Causes mild skin irritation</li> <li>H318 - Causes serious eye damage.</li> <li>H319 - Causes serious eye irritation.</li> <li>H332 - Harmful if inhaled.</li> <li>H335 - May cause respiratory irritation.</li> </ul>	Skin Irrit. 3 - Skin Irritation Category 3
<ul> <li>H225 - Highly flammable liquid and vapour.</li> <li>H271 - May cause fire or explosion; strong oxidiser.</li> <li>H302 - Harmful if swallowed.</li> <li>H303 - May be harmful if swallowed</li> <li>H312 - Harmful in contact with skin.</li> <li>H313 - May be harmful In contact with skin</li> <li>H314 - Causes severe skin burns and eye damage.</li> <li>H316 - Causes mild skin irritation</li> <li>H318 - Causes serious eye damage.</li> <li>H319 - Causes serious eye irritation.</li> <li>H332 - Harmful if inhaled.</li> <li>H335 - May cause respiratory irritation.</li> </ul>	STOT SE 2 - Specific Target Organ Toxicity Single Exposure Category 2
<ul> <li>H271 - May cause fire or explosion; strong oxidiser.</li> <li>H302 - Harmful if swallowed.</li> <li>H303 - May be harmful if swallowed</li> <li>H312 - Harmful in contact with skin.</li> <li>H313 - May be harmful In contact with skin</li> <li>H314 - Causes severe skin burns and eye damage.</li> <li>H316 - Causes mild skin irritation</li> <li>H318 - Causes serious eye damage.</li> <li>H319 - Causes serious eye irritation.</li> <li>H332 - Harmful if inhaled.</li> <li>H335 - May cause respiratory irritation.</li> </ul>	STOT SE 3 - Specific Target Organ Toxicity Single Exposure Category 3
<ul> <li>H302 - Harmful if swallowed.</li> <li>H303 - May be harmful if swallowed</li> <li>H312 - Harmful in contact with skin.</li> <li>H313 - May be harmful In contact with skin</li> <li>H314 - Causes severe skin burns and eye damage.</li> <li>H316 - Causes mild skin irritation</li> <li>H318 - Causes serious eye damage.</li> <li>H319 - Causes serious eye irritation.</li> <li>H332 - Harmful if inhaled.</li> <li>H335 - May cause respiratory irritation.</li> </ul>	H225 - Highly flammable liquid and vapour.
<ul> <li>H303 - May be harmful if swallowed</li> <li>H312 - Harmful in contact with skin.</li> <li>H313 - May be harmful In contact with skin</li> <li>H314 - Causes severe skin burns and eye damage.</li> <li>H316 - Causes mild skin irritation</li> <li>H318 - Causes serious eye damage.</li> <li>H319 - Causes serious eye irritation.</li> <li>H332 - Harmful if inhaled.</li> <li>H335 - May cause respiratory irritation.</li> </ul>	H271 - May cause fire or explosion; strong oxidiser.
<ul> <li>H312 - Harmful in contact with skin.</li> <li>H313 - May be harmful In contact with skin</li> <li>H314 - Causes severe skin burns and eye damage.</li> <li>H316 - Causes mild skin irritation</li> <li>H318 - Causes serious eye damage.</li> <li>H319 - Causes serious eye irritation.</li> <li>H332 - Harmful if inhaled.</li> <li>H335 - May cause respiratory irritation.</li> </ul>	H302 - Harmful if swallowed.
<ul> <li>H313 - May be harmful In contact with skin</li> <li>H314 - Causes severe skin burns and eye damage.</li> <li>H316 - Causes mild skin irritation</li> <li>H318 - Causes serious eye damage.</li> <li>H319 - Causes serious eye irritation.</li> <li>H332 - Harmful if inhaled.</li> <li>H335 - May cause respiratory irritation.</li> </ul>	H303 - May be harmful if swallowed
<ul> <li>H314 - Causes severe skin burns and eye damage.</li> <li>H316 - Causes mild skin irritation</li> <li>H318 - Causes serious eye damage.</li> <li>H319 - Causes serious eye irritation.</li> <li>H332 - Harmful if inhaled.</li> <li>H335 - May cause respiratory irritation.</li> </ul>	H312 - Harmful in contact with skin.
H316 - Causes mild skin irritation H318 - Causes serious eye damage. H319 - Causes serious eye irritation. H332 - Harmful if inhaled. H335 - May cause respiratory irritation.	H313 - May be harmful In contact with skin
H318 - Causes serious eye damage. H319 - Causes serious eye irritation. H332 - Harmful if inhaled. H335 - May cause respiratory irritation.	, ,
H319 - Causes serious eye irritation. H332 - Harmful if inhaled. H335 - May cause respiratory irritation.	
H332 - Harmful if inhaled. H335 - May cause respiratory irritation.	H318 - Causes serious eye damage.
H335 - May cause respiratory irritation.	<b>,</b>
H371 - May cause damage to organs.	
	H371 - May cause damage to organs.

For further information, please contact your local Beckman Coulter representative.

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