



Kit MSDS Cover Sheet

Doc. ID: 62115-75: Rev. AH
Revised (year/month/day) 2009/04/01

Product Information

Product Name	Hemocult®Developer
Part Number	60151, 60152, 61100, 61130, 61200, 62115, 63202, 395020,395175, 395245, 395187, 395186, 9490, 3066, 3060, 1771
Series Name	60000 Series
Additional Product Information	If Developer expiration date is June 1, 2012 or earlier, use Part A of MSDS. If Developer expiration date is after June 1, 2012, use Part B of the MSDS.

Components

Description

Hemocult®Developer (Part A)
Hemocult®Developer (Part B)

Transport Information

Shipping Information	Shipping Name	Alcohols, n.o.s. (Ethanol, Isopropanol solution)
	UN/ID Number	1987
	Packing Group	II
IATA	Hazard Class	3 Flammable Liquids
	Subsidiary Risk	None
	Special Provisions	A3
	IATA ERG Code	3L
IMDG	Hazard Class	3 Flammable liquids
	Subsidiary Risk	None
	Special Provisions	274
	Marine Pollutant	No
US DOT	Hazard Class	3 Flammable liquid
	Subsidiary Risk	None
	Special Provisions	173.150
	NAERG Number	127
European ADR	ADR Classification	3 Flammable Liquids
	Classification Code/	F1
	Subsidiary Risk	None
Canadian TDG	PIN	1987
	TDG Classification	3 Flammable Liquids

Transport Information (Continued)

	Subsidiary Risk	None
	Special Provisions	16
	NAERG Number	127




MATERIAL SAFETY DATA SHEET

Hemocult® Developer

Doc. ID: 62115-75 AH

Revised (year/month/day) 2009/04/01

Section 1 Company and Product Identification

Product Name	Hemocult® Developer (Part A)
Part Number	Component of P/N 1771, 3060, 3066, 395020, 395175, 395186, 395187, 395245, 60151, 60152, 61100, 61130, 61200, 62115, 63202, 9490
Product Use	For In Vitro Diagnostic Use. See product literature for details.
Manufacturer	Beckman Coulter, Inc. 4300 Harbor Blvd. Fullerton, CA 92835-3100, U.S.A.
EC REP Address	Beckman Coulter Ireland Inc. Mervue Business Park Mervue, Galway, Ireland 353 91 774068
Distributor and Emergency Phone No.	 Refer to attached list, Document ID: 472050 , for local distributor and emergency phone numbers.

Section 2 Hazards Identification

Emergency Overview	<p>Colorless; Clear; Liquid; Alcohol odor</p> <p>Flammable liquid and vapor.</p> <p>CNS depressant. Eye, skin and respiratory tract irritant.</p> <p>Harmful by inhalation, in contact with skin and if swallowed.</p>		
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	<p>May cause eye, skin and respiratory tract irritation and central nervous system depression with headache, dizziness, nausea and unconsciousness.</p> <p>Harmful by inhalation, in contact with skin and if swallowed.</p> <p>See Section 11 Toxicological Information for more detailed health information.</p>		
Potential Environmental Effects	No information available.		
Product Hazard Classifications	Meets Hazardous Criteria for Preparation/Mixture		
	EU: F;R11 Xn;R68/20/21/22-20/21/22	WHMIS: Exempt	US OSHA: Hazardous

Section 3 Composition and Information on Ingredients

Hazardous Ingredients:				Hazard Classification of Pure Ingredients		
Chemical Name	CAS #	EINECS #	% by wt.	EU	WHMIS	US OSHA
Ethanol-methanol mix	8013-52-3	Not available	>50	F;R11 Xn;R20/21/22-68/20/21/22	B2; D2B	Flammable Irritant Toxic
Hydrogen Peroxide	7722-84-1	2317650	<5	C;R35-20/22 O;R5-8	C; E	Corrosive Oxidizer

See Section 15 Regulatory Information for additional information on hazard classifications.
See Section 16 for Risk Phrases and WHMIS Classification Description.

Section 4 First Aid Measures

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. Remove contaminated clothing and shoes. If pain or irritation occur, obtain medical attention.
Ingestion	If ingested, wash mouth out with water. If irritation or discomfort occurs, seek medical attention.

Section 5 Fire Fighting Measures

Flammable Properties	Flammable liquid and vapor.
Extinguishing Media	Dry chemical, carbon dioxide, regular foam or water spray.
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 Products	Depending upon fire conditions, combustion products may range from irritants and asphyxiants to acutely toxic gases.
Protective Equipment for Firefighters	Self-contained breathing apparatus is recommended for firefighters in all chemical fire situations.

Section 6 Accidental Release Measures

Personal Precautions	Use good laboratory procedures; avoid eye and skin contact. Avoid inhalation and ingestion.
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Section 6 Accidental Release Measures (Continued)

Spill and Leak Procedures	Absorb spilled material with an appropriate inert, non-flammable absorbent and dispose according to local regulations.
Environmental Precautions	Contain spill to prevent migration.

Section 7 Handling and Storage

Handling Precautions	Use in well ventilated area away from heat or ignition sources. Use good laboratory procedures; avoid eye and skin contact.
Recommended Storage Conditions	To maintain efficacy, store according to the instructions in the product labeling. Keep away from incompatible material (see Section 10).

Section 8 Exposure Controls and Personal Protection

Exposure Limits	
US OSHA:	
Hydrogen Peroxide	1 ppm TWA; 1.4 mg/m ³ TWA
ACGIH:	
Hydrogen Peroxide	1 ppm TWA
DFG MAK:	
Hydrogen Peroxide	0.5 ppm MAK; 0.71 mg/m ³ MAK; 0.5 ppm Peak; 0.71 mg/m ³ Peak
NIOSH	
Hydrogen Peroxide	75 ppm IDLH; 1 ppm TWA; 1.4 mg/m ³ TWA
Japan	None established
Engineering Controls	Use in well ventilated area.
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.
Eye Protection	Safety glasses or chemical goggles should be worn to prevent eye contact.
Skin Protection	Impervious gloves, such as Nitrile or equivalent, should be worn to prevent skin contact.

Section 9 Physical and Chemical Properties

Physical State	Liquid
Color	Colorless
Transparency	Clear
Odor	Alcohol odor

Section 9 Physical and Chemical Properties (Continued)

Odor Threshold	Not applicable
pH	Not available
Freezing Point	Not available
Boiling Point	78°C (172.4°F)
Flash Point	13°C (55.4°F)
Evaporation Rate	Not available
Flammability (Solid, Gas)	Not applicable
Flammable Limits	Not available
Vapor Pressure	40 mm Hg @25°C
Vapor Density	1.6 (air=1)
Specific Gravity	0.8 @20°C
Solubility	
Water	Soluble
Organic	Not available
Coefficient of Water/Oil Distribution	Not available
Autoignition Temp.	Not available
Decomposition Temperature	Not available
Percent Volatiles	Not available

Section 10 Stability and Reactivity

Stability	Stable under normal temperatures and pressures.
Hazardous Incompatibilities	Halogens Strong acids Strong bases Strong oxidizers
Hazardous Decomposition Products	When stored as labeled, no known hazardous decomposition products are formed during the shelf-life of this product.
Conditions to Avoid	Avoid contact with heat, ignition sources and incompatible materials.

Section 11 Toxicological Information

Toxicity Data for Hazardous Ingredients

Hydrogen Peroxide

Inhalation LC50 Rat: 2 mg/L/4H; Oral LD50 Rat:801 mg/kg; Dermal LD50 Rat:4060 mg/kg; Dermal LD50 Rabbit:2000 mg/kg

Primary Routes of Exposure

The most likely routes of exposure are skin and eye contact. Inhalation may occur if mists are formed in product use.

Potential Effects of Acute Exposure

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.

Carcinogenicity

No ingredients in this product are listed as carcinogens by ACGIH, IARC, NTP, OSHA or 67/548/EEC Annex I.

Other Effects

None identified.

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.

Section 12 Ecological Information

Ecotoxicity

Hydrogen Peroxide

48 Hr LC50 Cyprinus carpio: 42 mg/L; 96 Hr LC50 Pimephales promelas: 16.4 mg/L

Biodegradability

No information available.

Bioaccumulation

No information available.

Mobility

No information available.

Other Adverse Effects

No information available.

Section 13 Disposal Considerations

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.

Section 14 Transport Information

Shipping Information

Shipping Name

Alcohols, n.o.s. (Ethanol methanol solution)

Section 14 Transport Information (Continued)

	UN/ID Number	1987
	Packing Group	II
IATA	Hazard Class	3 Flammable Liquids
	Subsidiary Risk	None
	Special Provisions	A3
	IATA ERG Code	3L
IMDG	Hazard Class	3 Flammable liquids
	Subsidiary Risk	None
	Special Provisions	274
	Marine Pollutant	No
US DOT	Hazard Class	3 ORM-D Consumer Commodity
	Subsidiary Risk	None
	Special Provisions	173.150
	NAERG Number	127
European ADR	ADR Classification	3 Flammable Liquids
	Classification Code/ Subsidiary Risk	F1 None
Canadian TDG	PIN	1987
	TDG Classification	3 Flammable Liquids
	Subsidiary Risk	None
	Special Provisions	16
	NAERG Number	127



Section 15 Regulatory Information

US Federal and State Regulations

SARA 313	No ingredients listed.
CERCLA RG's, 40 CFR 302.4	No ingredients listed.
California Proposition 65	No ingredients listed.
Massachusetts MSL	Hydrogen Peroxide is listed.
New Jersey Dept. of Health RTK List	Hydrogen Peroxide is listed.
Pennsylvania RTK	Hydrogen Peroxide is listed.

Section 15 Regulatory Information (Continued)

EU Labeling Classification

Classification	Risk and Safety Phrases
 F Highly flammable	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.
 Xn Harmful	S16 Keep away from sources of ignition - No smoking. S36/37 Wear suitable protective clothing and gloves. S7 Keep container tightly closed.

Canada

This product is exempt from WHMIS label and MSDS requirements.

PIN:	1987
Ingredients on Ingredient Disclosure List:	Hydrogen Peroxide
Ingredients with unknown toxicological properties:	Product is exempt

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

Section 16 Other Information

Beckman Coulter Safety Rating	Flammability (Section V): 2 Health (Section XI): 2 Reactivity with Water (Section X): 2 Contact (Section VIII): 2	Code 0=none 1=slight 2=caution 3=severe
Revision Changes	Reformatted Sections 2, 3, 5, 8, 9, 12, 15, and 16 per ANSI Z400.1-2004Standard.	
Risk Phrases and WHMIS Classification Description From Section 3	R11 Highly flammable. R20/21/22 Harmful by inhalation, in contact with skin and if swallowed. R20/22 Harmful by inhalation and if swallowed. R35 Causes severe burns. R5 Heating may cause an explosion. R68/20/21/22 Harmful: possible risk of irreversible effects throughinhalation, in contact with skin and if swallowed. R8 Contact with combustible material may cause fire. B2 - Flammable and Combustible Material: Flammable Liquid C - Oxidizing Material D2B - Poisonous and Infectious Material: Division 2 - Other Toxic Effects:Toxic (Chronic Toxic Effects) E - Corrosive Material	
For further information, please contact your local Beckman Coulter representative.		

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Printed in U.S.A.




MATERIAL SAFETY DATA SHEET

Hemocult® Developer

Doc. ID: 62115-75 AH

Revised (year/month/day) 2009/04/01

Section 1 Company and Product Identification

Product Name	Hemocult® Developer (Part B)
Part Number	Component of P/N 1771, 3060, 3066, 395020, 395175, 395186, 395187, 395245, 60151, 60152, 61100, 61130, 61200, 62115, 63202, 9490
Product Use	For In Vitro Diagnostic Use. See product literature for details.
Manufacturer	Beckman Coulter, Inc. 4300 Harbor Blvd. Fullerton, CA 92835-3100, U.S.A.
EC REP Address	Beckman Coulter Ireland Inc. Mervue Business Park Mervue, Galway, Ireland 353 91 774068
Distributor and Emergency Phone No.	 Refer to attached list, Document ID: 472050 , for local distributor and emergency phone numbers.

Section 2 Hazards Identification

Emergency Overview	Colorless; Clear; Liquid; Alcohol odor Flammable liquid and vapor. CNS depressant. Eye, skin and respiratory tract irritant.		
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. See Section 11 Toxicological Information for more detailed health information.		
Potential Environmental Effects	No information available.		
Product Hazard Classifications	Meets Hazardous Criteria for Preparation/Mixture		
	EU: F;R11	WHMIS: Exempt	US OSHA: Hazardous

Section 3 Composition and Information on Ingredients

Hazardous Ingredients:				Hazard Classification of Pure Ingredients		
Chemical Name	CAS #	EINECS #	% by wt.	EU	WHMIS	US OSHA
Ethyl Alcohol	64-17-5	2005786	>50	F;R11	B2; D2A; D2B	Flammable Irritant
Isopropyl Alcohol	67-63-0	2006617	<5	F;R11 Xi;R36-67	B2; D2B	Flammable Irritant
Hydrogen Peroxide	7722-84-1	2317650	<5	C;R35-20/22 O;R5-8	C; E	Corrosive Oxidizer

See Section 15 Regulatory Information for additional information on hazard classifications.
See Section 16 for Risk Phrases and WHMIS Classification Description.

Section 4 First Aid Measures

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. Remove contaminated clothing and shoes. If pain or irritation occur, obtain medical attention.
Ingestion	If ingested, wash mouth out with water. If irritation or discomfort occurs, seek medical attention.

Section 5 Fire Fighting Measures

Flammable Properties	Flammable liquid and vapor.
Extinguishing Media	Dry chemical, carbon dioxide, regular foam or water spray.
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 Products	Depending upon fire conditions, combustion products may range from irritants and asphyxiants to acutely toxic gases.
Protective Equipment for Firefighters	Self-contained breathing apparatus is recommended for firefighters in all chemical fire situations.

Section 6 Accidental Release Measures

Personal Precautions	Use good laboratory procedures; avoid eye and skin contact. Avoid inhalation and ingestion.
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Section 6 Accidental Release Measures (Continued)

Spill and Leak Procedures	Absorb spilled material with an appropriate inert, non-flammable absorbent and dispose according to local regulations.
Environmental Precautions	Contain spill to prevent migration.

Section 7 Handling and Storage

Handling Precautions	Use in well ventilated area away from heat or ignition sources. Use good laboratory procedures; avoid eye and skin contact.
Recommended Storage Conditions	To maintain efficacy, store according to the instructions in the product labeling. Keep away from incompatible material (see Section 10).

Section 8 Exposure Controls and Personal Protection

Exposure Limits	
US OSHA:	
Ethyl Alcohol	1000 ppm TWA; 1900 mg/m ³ TWA
Isopropyl Alcohol	400 ppm TWA; 980 mg/m ³ TWA
Hydrogen Peroxide	1 ppm TWA; 1.4 mg/m ³ TWA
ACGIH:	
Ethyl Alcohol	1000 ppm TWA
Isopropyl Alcohol	400 ppm STEL; 200 ppm TWA
Hydrogen Peroxide	1 ppm TWA
DFG MAK:	
Ethyl Alcohol	500 ppm MAK; 960 mg/m ³ MAK; 1000 ppm Peak; 1920 mg/m ³ Peak
Isopropyl Alcohol	200 ppm MAK; 500 mg/m ³ MAK; 400 ppm Peak; 1000 mg/m ³ Peak
Hydrogen Peroxide	0.5 ppm MAK; 0.71 mg/m ³ MAK; 0.5 ppm Peak; 0.71 mg/m ³ Peak
NIOSH	
Ethyl Alcohol	3300 ppm IDLH (10% LEL); 1000 ppm TWA; 1900 mg/m ³ TWA
Isopropyl Alcohol	2000 ppm IDLH (10% LEL); 400 ppm TWA; 980 mg/m ³ TWA; 500 ppm STEL; 1225mg/m ³ STEL
Hydrogen Peroxide	75 ppm IDLH; 1 ppm TWA; 1.4 mg/m ³ TWA
Japan	None established
Engineering Controls	Use in well ventilated area.
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 8 Exposure Controls and Personal Protection (Continued)

Eye Protection	Safety glasses or chemical goggles should be worn to prevent eye contact.
Skin Protection	Impervious gloves, such as Nitrile or equivalent, should be worn to prevent skin contact.

Section 9 Physical and Chemical Properties

Physical State	Liquid
Color	Colorless
Transparency	Clear
Odor	Alcohol odor
Odor Threshold	Ethyl Alcohol geometric mean air odor threshold = 180 ppm (detectable); 100 ppm (recognizable) Isopropyl Alcohol geometric mean air odor threshold = 43 ppm (detectable); 19 ppm (recognizable)
pH	Not available
Freezing Point	Not available
Boiling Point	Not available
Flash Point	15.5°C (59.9°F)
Evaporation Rate	Not available
Flammability (Solid, Gas)	Not applicable
Flammable Limits	Not available
Vapor Pressure	Not available
Vapor Density	Not available
Specific Gravity	0.9 @20°C
Solubility	
Water	Soluble
Organic	Not available
Coefficient of Water/Oil Distribution	Not available
Autoignition Temp.	Not available
Decomposition Temperature	Not available
Percent Volatiles	Not available

Section 10 Stability and Reactivity

Stability	Stable under normal temperatures and pressures.
Hazardous Incompatibilities	Halogens Strong acids Strong bases Strong oxidizers
Hazardous Decomposition Products	When stored as labeled, no known hazardous decomposition products are formed during the shelf-life of this product.
Conditions to Avoid	Avoid contact with heat, ignition sources and incompatible materials.

Section 11 Toxicological Information

Toxicity Data for Hazardous Ingredients	
Ethyl Alcohol	Oral LD50 Rat: 7060 mg/kg
Isopropyl Alcohol	Inhalation LC50 Rat: 72.6 mg/L/4H; Oral LD50 Rat:4396 mg/kg; Dermal LD50 Rat:12800 mg/kg; Dermal LD50 Rabbit:12870 mg/kg
Hydrogen Peroxide	Inhalation LC50 Rat: 2 mg/L/4H; Oral LD50 Rat:801 mg/kg; Dermal LD50 Rat:4060 mg/kg; Dermal LD50 Rabbit:2000 mg/kg
Primary Routes of Exposure	The most likely routes of exposure are skin and eye contact. Inhalation may occur if mists are formed in product use.
Potential Effects of Acute Exposure	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.
Carcinogenicity	No ingredients in this product are listed as carcinogens by ACGIH, IARC, NTP, OSHA or 67/548/EEC Annex I.
Other Effects	None identified.
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.

Section 12 Ecological Information

Ecotoxicity	
Ethyl Alcohol	96 Hr LC50 Oncorhynchus mykiss: 12900 mg/L [flow-through] (30 days old);96 Hr LC50 Pimephales promelas: 14.2 mg/L
Isopropyl Alcohol	96 Hr LC50 Pimephales promelas: 9640 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 94900 mg/L [flow-through] (29 days old); 96 Hr LC50 Pimephalespromelas: 61200 mg/L [flow-through] (31 days old)
Hydrogen Peroxide	48 Hr LC50 Cyprinus carpio: 42 mg/L; 96 Hr LC50 Pimephales promelas:16.4 mg/L
Biodegradability	No information available.
Bioaccumulation	No information available.
Mobility	No information available.
Other Adverse Effects	No information available.

Section 13 Disposal Considerations

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.
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Section 14 Transport Information

Shipping Information	Shipping Name	Alcohols, n.o.s. (Ethanol, Isopropanol solution)
	UN/ID Number	1987
	Packing Group	II
IATA	Hazard Class	3 Flammable Liquids
	Subsidiary Risk	None
	Special Provisions	A3
	IATA ERG Code	3L
IMDG	Hazard Class	3 Flammable liquids
	Subsidiary Risk	None
	Special Provisions	274
	Marine Pollutant	No
US DOT	Hazard Class	3 ORM-D Consumer Commodity
	Subsidiary Risk	None
	Special Provisions	173.150
	NAERG Number	127
European ADR	ADR Classification	3 Flammable Liquids
	Classification Code/	F1
	Subsidiary Risk	None

Section 14 Transport Information (Continued)


Canadian TDG	PIN	1987
	TDG Classification	3 Flammable Liquids
	Subsidiary Risk	None
	Special Provisions	16
	NAERG Number	127

Section 15 Regulatory Information

US Federal and State Regulations

SARA 313	Isopropyl Alcohol is subject to reporting requirements of Section 313, Title III of SARA.
CERCLA RG's, 40 CFR 302.4	No ingredients listed.
California Proposition 65	Ethyl Alcohol has been identified by the State of California to cause 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: WARNING: This product contains a chemical known to the State of California to cause reproductive harm.
Massachusetts MSL	Ethyl Alcohol is listed. Isopropyl Alcohol is listed. Hydrogen Peroxide is listed.
New Jersey Dept. of Health RTK List	Ethyl Alcohol is listed. Isopropyl Alcohol is listed. Hydrogen Peroxide is listed.
Pennsylvania RTK	Ethyl Alcohol is listed. Isopropyl Alcohol is listed. Hydrogen Peroxide is listed.

EU Labeling Classification

Classification	Risk and Safety Phrases
 Highly flammable	R11 Highly flammable. S16 Keep away from sources of ignition - No smoking. S36/37 Wear suitable protective clothing and gloves. S7 Keep container tightly closed.

Canada

This product is exempt from WHMIS label and MSDS requirements.

PIN:	1987
Ingredients on Ingredient Disclosure List:	Ethyl Alcohol Isopropyl Alcohol Hydrogen Peroxide

Section 15 Regulatory Information (Continued)

Ingredients with unknown toxicological properties: Product is exempt

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.

Section 16 Other Information

Beckman Coulter Safety Rating	Flammability (Section V): 2 Health (Section XI): 2 Reactivity with Water (Section X): 2 Contact (Section VIII): 2	Code 0=none 1=slight 2=caution 3=severe
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Revision Changes Reformatted Sections 2, 3, 5, 8, 9, 12, 15, and 16 per ANSI Z400.1-2004 Standard.

Risk Phrases and WHMIS Classification Description From Section 3

R11 Highly flammable.
R20/22 Harmful by inhalation and if swallowed.
R35 Causes severe burns.
R36 Irritating to eyes.
R5 Heating may cause an explosion.
R67 Vapours may cause drowsiness and dizziness.
R8 Contact with combustible material may cause fire.
B2 - Flammable and Combustible Material: Flammable Liquid
C - Oxidizing Material
D2A - Poisonous and Infections Material: Division 2 - Other Toxic Effects: Very Toxic (Reproductive cell mutagenicity)
E - Corrosive Material
D2B - Poisonous and Infectious Material: Division 2 - Other Toxic Effects: Toxic (Skin or Eye Irritation)

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

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