Kit SDS Cover Sheet

Doc. ID: 64115-75: Rev. AI
Revised (year/month/day) 2010/11/26

Product Information

Product Name	Hemoccult®SENSA® Developer
Part Number	395035, 64000, 64115, 64130, 64151, 64152, 64200, 65940
Series Name	64000 Series
Additional Product Information	If Developer expiration date is May 2012 or earlier, use Part A of the SDS. If Developer expiration date is June 2012 or later, use Part B of the SDS.

Components

Description
Hemoccult®SENSA®Developer (Part A) Hemoccult®SENSA®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
	Subsidiary Risk	None

Transport Information (Continued)

	Special Provisions	16
	NAERG Number	127

BECKMAN COULTER

SAFETY DATA SHEET

Hemoccult®SENSA® Developer
Doc. ID: 64115-75 AI
Revised (year/month/day) 2010/11/26

Section 1 Company and Product Identification

Product Name	Hemoccult®SENSA®Developer (Part A)
Part Number	Component of P/N 395035, 64000, 64115, 64130, 64151, 64152, 64200, 65940
Product Use	For In Vitro Diagnostic Use. See product literature for details.
Series Name	64000 Series
Manufacturer	Beckman Coulter, Inc. 250 S. Kraemer Blvd Brea, CA 92821, U.S.A. Tel: 800-854-3633 **E-mail**: SDSNT@beckman.com
EC REP Address	Beckman Coulter Ireland Inc. Mervue Business Park Mervue, Galway, Ireland Tel: 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.
Harmful by inhalation, in contact with skin and if swallowed.
Potential sensitizer.

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.
Potential sensitizer.
See Section 11 Toxicological Information for more detailed health information.

Potential Environmental Effects

Not available

Section 2 Hazards Identification (Continued)

Product Hazard Classifications	Meets Hazardous Criteria for Preparation/Mixture		
	EU: F;R11 Xn;R20/21/22-68/20/21/22	**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	< 95	F;R11 Xn;R20/21/22-68/20/21/22	B2; D2B	Flammable Irritant Toxic
Ethyl Paraben	120-47-8	2043994	< 5	No	D2B	Irritant Sensitizer
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. 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	Avoid inhaling, ingesting, and contact with eyes and skin.
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. Avoid inhaling, ingesting, and contact with eyes and skin.
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/m3 TWA

ACGIH:

Hydrogen Peroxide	1 ppm TWA

DFG MAK:

Hydrogen Peroxide	0.5 ppm MAK; 0.71 mg/m3 MAK; 0.5 ppm Peak; 0.71 mg/m3 Peak

NIOSH

Hydrogen Peroxide	75 ppm IDLH; 1 ppm TWA; 1.4 mg/m3 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. Refer U.S. OSHA 29 CFR 1910.133, European Standard EN166 or appropriate government standards.
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.

Section 9 Physical and Chemical Properties

Physical State	Liquid
Color	Colorless
Transparency	Clear
Odor	Alcohol odor
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 applicable
Decomposition Temperature	Not available
Percent Volatiles	Not available

Section 10 Stability and Reactivity

Stability	Stable under normal temperatures and pressures.
Hazardous Incompatibilities	Strong acids Strong bases Strong oxidizers

Section 10 Stability and Reactivity (Continued)

Hazardous Decomposition Products	No decomposition products posing significant hazards would be expected from this product.
Conditions to Avoid	Avoid contact with incompatible materials.

Section 11 Toxicological Information

Toxicity Data for Hazardous Ingredients

Ethyl Paraben	Oral LD50 Mouse 3 g/kg
Hydrogen Peroxide	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

Primary Routes of Exposure	Eye contact, ingestion, inhalation, and skin contact.
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. Repeated exposure may result in allergic reactions. Effects are similar to those for acute exposure.
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	96 Hr LC50 Pimephales promelas: 16.4 mg/L; 96 Hr LC50 Lepomis macrochirus: 18-56 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 10.0-32.0 mg/L [static]

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)
	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
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.

Section 15 Regulatory Information (Continued)

Massachusetts MSL	Hydrogen Peroxide is listed.
New Jersey Dept. of Health RTK List	Hydrogen Peroxide is listed.
Pennsylvania RTK	Hydrogen Peroxide is listed.

EU Labeling Classification

Classification	Risk and Safety Phrases
F  Highly flammable 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. 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 SDS 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 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): 3** **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	Revised manufacturer's address in Section 1	
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 through inhalation, 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) D2B - Poisonous and Infectious Material: Division 2 - Other Toxic Effects: Toxic (Skin sensitization) E - Corrosive Material D2B - Poisonous and Infectious Material: Division 2 - Other Toxic Effects: Toxic (Skin or Eye Irritation)	
Water Hazard Class (Germany): WGK 1, slightly water endangering (self classification)		
This SDS complies with EC Regulation 1907/2006 (REACH)		
For further information, please contact your local Beckman Coulter representative.		

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BECKMAN COULTER

SAFETY DATA SHEET

Hemoccult®SENSA® Developer
Doc. ID: 64115-75 AI
Revised (year/month/day) 2010/11/26

Section 1 Company and Product Identification

Product Name	Hemoccult®SENSA®Developer (Part B)
Part Number	Component of P/N 395035, 64000, 64115, 64130, 64151, 64152, 64200, 65940
Product Use	For In Vitro Diagnostic Use. See product literature for details.
Series Name	64000 Series
Manufacturer	Beckman Coulter, Inc. 250 S. Kraemer Blvd Brea, CA 92821, U.S.A. Tel: 800-854-3633 **E-mail**: SDSNT@beckman.com
EC REP Address	Beckman Coulter Ireland Inc. Mervue Business Park Mervue, Galway, Ireland Tel: 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.
Potential sensitizer.

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.
Potential sensitizer.
See Section 11 Toxicological Information for more detailed health information.

Potential Environmental Effects

Not available

Product Hazard Classifications

Meets Hazardous Criteria for Preparation/Mixture		
EU:	**WHMIS:**	**US OSHA:**
F;R11	Exempt	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	<85	F;R11	B2; D2A; D2B	Flammable Irritant
Isopropyl Alcohol	67-63-0	2006617	< 5	F;R11 Xi;R36-67	B2; D2B	Flammable Irritant
Ethyl Paraben	120-47-8	2043994	< 5	No	D2B	Irritant Sensitizer
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. 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 — Avoid inhaling, ingesting, and contact with eyes and skin.

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	Avoid inhaling, ingesting, and contact with eyes and skin.
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/m3 TWA
Isopropyl Alcohol	400 ppm TWA; 980 mg/m3 TWA
Hydrogen Peroxide	1 ppm TWA; 1.4 mg/m3 TWA

ACGIH:

Ethyl Alcohol	1000 ppm STEL
Isopropyl Alcohol	400 ppm STEL; 200 ppm TWA
Hydrogen Peroxide	1 ppm TWA

DFG MAK:

Ethyl Alcohol	500 ppm MAK; 960 mg/m3 MAK; 1000 ppm Peak; 1920 mg/m3 Peak
Isopropyl Alcohol	200 ppm MAK; 500 mg/m3 MAK; 400 ppm Peak; 1000 mg/m3 Peak
Hydrogen Peroxide	0.5 ppm MAK; 0.71 mg/m3 MAK; 0.5 ppm Peak; 0.71 mg/m3 Peak

NIOSH

Ethyl Alcohol	3300 ppm IDLH (10% LEL); 1000 ppm TWA; 1900 mg/m3 TWA
Isopropyl Alcohol	2000 ppm IDLH (10% LEL); 400 ppm TWA; 980 mg/m3 TWA; 500 ppm STEL; 1225 mg/m3 STEL
Hydrogen Peroxide	75 ppm IDLH; 1 ppm TWA; 1.4 mg/m3 TWA

Japan	None established
Engineering Controls	No special engineering controls are required. Use with good general ventilation.
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. Refer U.S. OSHA 29 CFR 1910.133, European Standard EN166 or appropriate government standards.
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.

Section 9 Physical and Chemical Properties

Physical State	Liquid
Color	Colorless
Transparency	Clear
Odor	Alcohol odor
Odor Threshold	Ethyl Alcohol 180 ppm geometric mean air odor threshold = (detectable); 100 ppm geometric mean air odor threshold = (recognizable) Isopropyl Alcohol 43 ppm geometric mean air odor threshold = (detectable); 19 ppm geometric mean air odor threshold = (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 applicable

Section 9 Physical and Chemical Properties (Continued)

Decomposition Temperature	Not available
Percent Volatiles	Not available

Section 10 Stability and Reactivity

Stability	Stable under normal temperatures and pressures.
Hazardous Incompatibilities	Strong acids Strong bases Strong oxidizers
Hazardous Decomposition Products	No decomposition products posing significant hazards would be expected from this product.
Conditions to Avoid	Avoid contact with incompatible materials.

Section 11 Toxicological Information

Toxicity Data for Hazardous Ingredients	
Ethyl Alcohol	Oral LD50 Rat 7060 mg/kg; Inhalation LC50 Rat 124.7 mg/L 4 h
Isopropyl Alcohol	Inhalation LC50 Rat 72.6 mg/L 4 h; Oral LD50 Rat 4396 mg/kg; Dermal LD50 Rat 12800 mg/kg; Dermal LD50 Rabbit 12870 mg/kg
Ethyl Paraben	Oral LD50 Mouse 3 g/kg
Hydrogen Peroxide	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
Primary Routes of Exposure	Eye contact, ingestion, inhalation, and skin contact.
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. Repeated exposure may result in allergic reactions. Effects are similar to those for acute exposure.
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.

Section 11 Toxicological Information (Continued)

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: 12.0 - 16.0 mL/L [static]; 96 Hr LC50 Pimephales promelas: >100 mg/L [static]; 96 Hr LC50 Pimephales promelas: 13400 - 15100 mg/L [flow-through]
Isopropyl Alcohol	96 Hr LC50 Pimephales promelas: 9640 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 11130 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: >1400000 µg/L
Hydrogen Peroxide	96 Hr LC50 Pimephales promelas: 16.4 mg/L; 96 Hr LC50 Lepomis macrochirus: 18-56 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 10.0-32.0 mg/L [static]

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, 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

Section 14 Transport Information (Continued)

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
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.

Section 15 Regulatory Information (Continued)

EU Labeling Classification

Classification	Risk and Safety Phrases
F  Highly flammable	R11 Highly flammable. S16 Keep away from sources of ignition - No smoking. S7 Keep container tightly closed.

Canada

This product is exempt from WHMIS label and SDS requirements.

PIN:	1987
Ingredients on Ingredient Disclosure List:	Ethyl Alcohol Isopropyl Alcohol Hydrogen Peroxide
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): 3** **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	Revised manufacturer's address in Section 1	
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) D2B - Poisonous and Infectious Material: Division 2 - Other Toxic Effects: Toxic (Skin sensitization) E - Corrosive Material D2B - Poisonous and Infectious Material: Division 2 - Other Toxic Effects: Toxic (Skin or Eye Irritation)	
Water Hazard Class: WGK 1, slightly water endangering (self classification)		
This SDS complies with EC Regulation 1907/2006 (REACH)		
For further information, please contact your local Beckman Coulter representative.		

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