

MATERIAL SAFETY DATA SHEET

Section 1 Company and Product Identification		
Product Name	Hemoccult [®] SENSA [®] Developer	
Part Number	395009, 395034, 395035, 395134, 395136, 64000, 64115, 64130, 64151, 64152, 64200	Doc. ID 64115-75 AF Issued (year/month/day) Revised (year/month/day) 2005/12/26
Product Use	For In Vitro Diagnostic Use. See product literature for	details.
Series Name	64000 Series	
Manufacturer	Beckman Coulter, Inc. 4300 Harbor Blvd. Fullerton, CA 92835-3100, U.S.A.	
Distributor and Emergency Phone No.	Refer to attached list, Document ID: 472050, for emergency phone numbers.	or local distributor and

Section 2 Composition and Information on Ingredients					
Hazardous Ingredients: Meets Hazardous Criteria:					
Chemical Name	CAS #	% by wt.	EU	US OSHA	WHMIS
Hydrogen Peroxide	7722-84-1	<5	No	Yes	Exempt
Ethyl Paraben	-	<5	Xi;R43	Yes	Exempt
Ethanol-methanol mix	8013-52-3	>50	F;R11	Yes	Exempt
			Xn;R20/21/22- 68/20/21/22		

See Section 15 Regulatory Information for additional information on hazard classifications.

Section 3 Hazards Identification			
Emergency Overview	- F	s; Clear; Liquid; Alcoh Flammable liquid and vapor. nt. Eye, skin and respiratory Potential sensitizer.	
Physical Hazards	Vapors of flammable ingr source, ignite and flash b	edients are heavier than air and back.	d may travel to an ignition
Potential Health Effects SummaryMay 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.			
Product Hazard Classifications	EU: Xn;R11-20/21/22- 68/20/21/22-43	WHMIS: Exempt	US OSHA: Hazardous

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Section 3 Hazards Identification (Continued)			
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	

	Section 4 First Aid Measures
Inhalation	If product is inhaled, move exposed individual to fresh air. If breathing has stopped, begin artificial respiration. If breathing is difficult or has stopped, obtain medical attention.
Eye Contact	If product is splashed in eyes, wash eyes under gently running water for 15 minutes or longer, making sure that the eyelids are held open. 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
Flash Point	13°C(55.4°F)
Flammable Limits	Lower flammable limit: 3.3%; Upper flammable limit: 19%
Autoignition Temp.	Not available
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.

Section 6 Accidental Release Measures		
Personal Precautions	Use good laboratory procedures; avoid eye and skin contact.	
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.

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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	1 ppm MAK; 1.4 mg/m3 MAK; 1 ppm Peak; 1.4 mg/m3 Peak
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 latex 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	Not applicable
рН	Not available
Boiling Point	78°C(172.4°F)
Melting Point	Not available
Specific Gravity	0.8 @20°C
Vapor Pressure	40 mm Hg @25°C
Vapor Density	1.6 (air=1)
Evaporation Rate	Not available
Solubility	
Water	Soluble
Organic	Not available

	Section 10 Stability and Reactivity
Stability	Stable under normal temperatures and pressures.

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Section 10 Stability and Reactivity (Continued)

Hazardous Incompatibilities	Halogens Strong bases Strong oxidizers Strong acids
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. Repeated exposure may result in allergic reactions.	
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.	

	Section 12 Ecological Information
Ecotoxicity	Hydrogen Peroxide: 48 Hr LC50 carp: 42 mg/L
Biodegradability	No information available.
Mobility	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. (Et solution)	hanol methanol	
	UN/ID Number	1987		
	Packing Group	П		
ΙΑΤΑ	Hazard Class	3 Flammable Liqui	ds	
	Subsidiary Risk	None		
	Special Provisions	A112 Not applicat	le	
	IATA ERG Code	3L		
IMDG	Hazard Class	3 Flammable liquic	S	
	Subsidiary Risk	None		
	Special Provisions	274		
	Marine Pollutant	No		
US DOT	Hazard Class	ORM-D Consumer	Commodity	
	Subsidiary Risk	None		
	Special Provisions	173.150		
	NAERG Number	127		
European ADR	ADR Classification	3Flammable Liquid	ls	
	Classification Code/	F1		
	Subsidiary Risk	None		
Canadian TDG	PIN	1987		
	TDG Classification	3 Flammable Liqui	ds	
	Subsidiary Risk	None		
	Special Provisions	16		
	NAERG Number	127		

Section 15 Regulatory Information

US Federal and State RegulationsSARA 313No ingredients listedCERCLA RG's,
40 CFR 302.4No ingredients listedCalifornia Proposition 65No ingredients listedMassachusetts MSLHydrogen Peroxide is listed.New Jersey Dept. of
Health RTK ListHydrogen Peroxide is listed.Pennsylvania RTKHydrogen Peroxide is listed.

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Section 15 Regulatory Information (Continued)

Classification	Risk and Safety Phrases
F	R11 Highly flammable.
Highly	R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
flammable	R43 May cause sensitization by skin contact.
Xn Harmful	R68/20/21/22 Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.
$\mathbf{\mathbf{\nabla \nabla}}$	S16 Keep away from sources of ignition—No smoking.

Canada This product is exempt from WHMIS label and MSDS requirements.		
Ingredients on Ingredient Disclosure List:	Hydrogen Peroxide	
Ingredients with unknown toxicological properties:	Product is exempt	

Section 16 Other Information

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

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