

# **MATERIAL SAFETY DATA SHEET**

Section 1 Company and Product Identification				
Product Name	Hemoccult®Developer	Doc. ID 62115-75 AB Issued (year/month/day) Revised (year/month/day) 2002/12/13		
Part Number	60151, 60152, 61100, 61130, 61200, 61300, 62115, 63202			
Series Name	60000 Series			
Manufacturer	Beckman Coulter, Inc. 4300 Harbor Blvd. Fullerton, CA 92834-3100, U.S.A.			
Distributor and Emergency Phone No.	Refer to attached list, Document ID: 472050, fo emergency phone numbers.	r local distributor and		

Section 2 Composition and Information on Ingredients						
Hazardous Ingredients: Meets Hazardous Criteria:				eria:		
Chemical Name	CAS#	% by wt.	EU	US OSHA	WHMIS	
Hydrogen Peroxide	7722-84-1	<5%	No	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 Infor		l ormation on ha				

Section 3 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.				
Product Hazard Classifications	EU: WHMIS: US OSHA: Hazardous 68/20/21/22			
Beckman Coulter Safety Rating	Flammability (Section V Health (Section XI): 2 Reactivity with Water (S Contact (Section VIII): 2	Section X): 2	Code 0=none 1=slight 2=caution 3=severe	

Hemoccult <sup>®</sup> Developer		ľ	MSDS # 62115-75 AB	Page 2 of 6
	Section 4 First Aid	Meas	ures	
Inhalation	If product is inhaled, move expo			
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 wit pain or irritation occur, obtain m	•		at least 15 minutes. If
Ingestion	If ingested, wash mouth out with attention.	water.	If irritation or discomfort	occurs, seek medical

	Section 5 Fire Fighting Measures
Flash Point	15°C(59°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.		

Section 8 Exposure Controls and Personal Protection			
Exposure Limits			
US OSHA:			
Hydrogen Peroxide	1 ppm TWA; 1.4 mg/m3 TWA		

Hemoccult <sup>®</sup> Developer		MSDS # 62115-75 AB	Page 3 of 6	
Section 8 Exposure Controls and Personal Protection (Continued)				
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	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.			
Eye Protection	Safety glasses or chemical goggles sh	ould be worn to prevent ey	e 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	80°C(176°F)
Melting Point	Not available
Specific Gravity	0.9 @20°C
Vapor Pressure	25 mm Hg @20°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.
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.

Hemoccult <sup>®</sup> Developer		MSDS # 62115-75 AB	Page 4 of 6	
Section 10 Stability and Reactivity (Continued)				
Conditions to Avoid Avoid contact with heat, ignition sources and incompatible materials.				

Section 11 Toxicological Information				
Toxicity Data for Hazardous Ingredients Hydrogen Peroxide	Oral LD50 Rat: 1518 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	Toxic to fish and other water organisms.
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.

Hemoccult <sup>®</sup> Developer				MSDS # 62115-75 AB	Page 5 of 6	
	Se	ction 14 Transport	Info	rmation		
International Shipping Information	Shipping Name		CONSUMER COMMODITY			
	ICAO UN/ID Number		8000			
	IATA Packing Group		II			
	IATA	Hazard Class		9 Miscellaneous D	angerous Goods	
		Subsidiary Risk		None		
		Special Provisions		A112		
	IMDG	Hazard Class Subsidiary Risk		9 Miscellaneous d substances and ar None	angerous ticles	
		Special Provisions		274 None		
		Marine Pollutant		No		
US DOT	Hazard	Hazard Class		ORM-D		
	Subsidiary Risk			None		
	Specia	Special Provisions		None		
European ADR	ADR Classification Subsidiary Risk		9Miscellaneous dangerous substances and articles			
		umber and Letter		None None		
Canadian TDC						
Canadian TDG	PIN TDG Classification		8000			
	Subsidiary Risk		9 Miscellaneous Dangerous Goods None			
	Special Provisions		None			
	Specia	Οροσίαι Γιονισίοτισ		INOHE		

	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.			
Florida Substance List	Hydrogen Peroxide is listed.			

## **Section 15 Regulatory Information (Continued)**

#### **EU Labeling Classification**

#### Classification

# F

Highly flammable



Harmful

#### **Risk and Safety Phrases**

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.

This product is exempt from WHMIS label and MSDS requirements.

**PIN:** 8000

Ingredients on Ingredient

Disclosure List:

Hydrogen Peroxide

Ingredients with unknown

Product is exempt

toxicological properties:

### **Section 16 Other Information**

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

WHILE BECKMAN COULTER, INC. BELIEVES THE INFORMATION CONTAINED HEREIN IS VALID AND ACCURATE, BECKMAN COULTER MAKES NO WARRANTY OR REPRESENTATION AS TO ITS VALIDITY, ACCURACY, OR CURRENCY. BECKMAN COULTER SHALL NOT BE LIABLE OR OTHERWISE RESPONSIBLE IN ANY WAY FOR USE OF EITHER THIS INFORMATION OR MATERIALS TO WHICH IT APPLIES. DISPOSAL OF HAZARDOUS MATERIALS MAY BE SUBJECT TO LOCAL LAWS OR REGULATIONS.

Printed in U.S.A.