



MATERIAL SAFETY DATA SHEET

Section 1 Company and Product Identification

Product Name	Fix	Doc. ID 8547171-75 AB Issued (day/month/year) Revised (day/month/year) 21/02/2000
Part Number	8547171	
Series Name	Ac•T 5 diffÖ	
Manufacturer	Manufactured for Beckman Coulter, Inc. Fullerton, CA 92834-3100	
Distributor and Emergency Phone No.		Refer to attached list, Document ID: 472050, for local distributor and emergency phone numbers.

Section 2 Composition and Information on Ingredients

Hazardous Ingredients:			Meets Hazardous Criteria:		
Chemical Name	CAS #	% by wt.	<u>EU</u>	<u>US OSHA</u>	<u>WHMIS</u>
Propylene Glycol	57-55-6	>1	No	Yes	Exempt
See Section 15 Regulatory Information for additional information on ingredient hazard classifications.					

Section 3 Hazards Identification

Emergency Overview	Blue-violet to black; Opaque; Liquid; Alcohol odor Nonflammable aqueous solution. Skin and eye irritant.		
Physical Hazards	No physical hazards were determined from a review of available literature.		
Potential Health Effects Summary	Exposure may result in irritation of skin, eyes, and mucous membranes.		
Product Hazard Classifications	EU: Not applicable	WHMIS: Exempt	US OSHA: Hazardous

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 is splashed in 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, wash area with soap and water. Rinse well with water.

Section 4 First Aid Measures (Continued)

Ingestion	If product is swallowed, call physician or poison control center for most current information. Never induce vomiting or give liquids to someone who is unconscious or cannot swallow.
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Section 5 Fire Fighting Measures

Flash Point	Not applicable
Flammable Limits	Not applicable
Autoignition Temp.	Not applicable
Extinguishing Media	Use extinguishing media suitable for surrounding fire.
Special Fire and Explosion Hazards	No special hazards determined.
Hazardous Combustion Products	No combustion products posing significant hazards are expected from this product (a dilute aqueous solution).
Protective Equipment for Firefighters	Self-contained breathing apparatus is recommended for firefighters in all chemical fire situations.

Section 6 Accidental Release Measures

Personal Precautions	No special precautions are necessary. Use good laboratory procedures.
Spill and Leak Procedures	Wipe up spill and place in container suitable for disposal.
Environmental Precautions	Contain spill to prevent migration.

Section 7 Handling and Storage

Handling Precautions	No special precautions are necessary; use good laboratory procedures.
Recommended Storage Conditions	Keep in the original container at room temperature.

Section 8 Exposure Controls and Personal Protection

Exposure Limits	
US OSHA:	None established
ACGIH:	None established
DFG MAK:	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.
Eye Protection	Safety glasses are recommended to prevent eye contact.
Skin Protection	Impervious gloves are recommended to prevent repeated or prolonged skin contact.

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Section 9 Physical and Chemical Properties			
Physical State	Liquid		
Color	Blue-violet to black		
Transparency	Opaque		
Odor	Alcohol odor		
Odor Threshold	Not applicable		
pH	6.8-7.0		
Boiling Point	Not available		
Melting Point	Not available		
Specific Gravity	Not available		
Vapor Pressure	Not available		
Vapor Density	Not available		
Evaporation Rate	Not available		
Coefficient of Water/Oil Distribution	Not available		
Percent Volatiles	Not available		
Solubility			
Water	Miscible		
Organic	Not available		

Section 10 Stability and Reactivity	
Stability	Stable under normal temperatures and pressures.
Hazardous Incompatibilities	Incompatible with acids, bases and strong oxidizers.
Hazardous Decomposition Products	No decomposition products posing significant hazards would be expected from this product (a dilute aqueous solution).
Conditions to Avoid	None determined.

Section 11 Toxicological Information	
Toxicity Data for Hazardous Ingredients Propylene Glycol	Oral LD50 Rat : 20 gm/kg; Oral LD50 Mouse : 22 gm/kg; Dermal LD50 Rabbit :20800 mg/kg
Primary Routes of Exposure	Eyes, ingestion, inhalation, and skin.
Potential Effects of Acute Exposure	May cause irritation of the nose, throat, skin, and eyes. Additional effects may include itching.
Potential Effects of Chronic Exposure	Frequent or long-term exposure may result in conjunctivitis and dermatitis.
Symptoms of Overexposure	Symptoms of overexposure may include: dry, red, cracked skin; red irritated eyes; nausea and vomiting.

Section 11 Toxicological Information (Continued)

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.
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	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.
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Section 14 Transport Information

Transportation of this product is not regulated under ICAO, IATA, US DOT, European ADR or Canadian TDG.

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	No ingredients listed
New Jersey Dept. of Health RTK List	No ingredients listed
Pennsylvania RTK	Propylene Glycol is listed.

EU

Dangerous Ingredients	None
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Section 15 Regulatory Information (Continued)		
Canada		
This product is exempt from WHMIS label and MSDS requirements.		
PIN:	Not applicable	
Ingredients on Ingredient Disclosure List:	Propylene Glycol	
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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