



# MATERIAL SAFETY DATA SHEET

## Section 1 Company and Product Identification

<b>Product Name</b>	Diluent	Doc. ID 8547169-75 AA Issued (day/month/year) 20/01/2000
<b>Part Number</b>	8547169	
<b>Series Name</b>	Ac•T 5 diffÖ	
<b>Manufacturer</b>	Manufactured for Beckman Coulter, Inc. Fullerton, CA 92834-3100	
<b>Distributor and Emergency Phone No.</b>		Refer to attached list, Document ID: <a href="#">472050</a> , for local distributor and emergency phone numbers.

## Section 2 Composition and Information on Ingredients

<b>Hazardous Ingredients:</b>	None
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## Section 3 Hazards Identification

<b>Emergency Overview</b>	<b>Colorless; Transparent; Liquid; Odorless Nonflammable aqueous solution. Does not meet EU, OSHA or WHMIS criteria for hazardous materials.</b>		
<b>Physical Hazards</b>	Sodium azide forms explosive compounds with heavy metals. Repeated contact of low concentrations of azide with lead and copper commonly found in plumbing drains may result in the build up of shock sensitive compounds.		
<b>Potential Health Effects Summary</b>	This product does not meet EU, OSHA or WHMIS criteria for hazardous materials.		
<b>Product Hazard Classifications</b>	<b>EU:</b> Not applicable	<b>WHMIS:</b> Exempt	<b>US OSHA:</b> Not applicable

## Section 4 First Aid Measures

<b>Inhalation</b>	If product is inhaled, move exposed individual to fresh air. If individual is not breathing, begin artificial respiration immediately and obtain medical attention.
<b>Eye Contact</b>	If product is splashed in eyes, wash eyes under gently running water for several minutes, making sure that the eyelids are held open. If irritation or redness develops, obtain medical attention.
<b>Skin Contact</b>	In case of skin contact, wash area with soap and water. Rinse well with water.
<b>Ingestion</b>	If ingested, wash out mouth with water. Call a physician.

**Section 5 Fire Fighting Measures**

<b>Flash Point</b>	Not applicable
<b>Flammable Limits</b>	Not applicable
<b>Autoignition Temp.</b>	Not applicable
<b>Extinguishing Media</b>	Use extinguishing media suitable for surrounding fire.
<b>Special Fire and Explosion Hazards</b>	No special hazards determined.
<b>Hazardous Combustion Products</b>	Due to the nature and volume of this product, the type and amount of combustion products are negligible.
<b>Protective Equipment for Firefighters</b>	Self-contained breathing apparatus is recommended for firefighters.

**Section 6 Accidental Release Measures**

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

**Section 7 Handling and Storage**

<b>Handling Precautions</b>	No special precautions are necessary; use good laboratory procedures.
<b>Recommended Storage Conditions</b>	Keep away from incompatible material. To maintain efficacy, store according to the instructions in the product labeling.

**Section 8 Exposure Controls and Personal Protection**

<b>Exposure Limits</b>	
<b>US OSHA:</b>	None established
<b>ACGIH:</b>	None established
<b>DFG MAK:</b>	None established
<b>Engineering Controls</b>	Use in well ventilated area.
<b>Respiratory Protection</b>	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.
<b>Eye Protection</b>	Safety glasses or chemical goggles should be worn to prevent eye contact.
<b>Skin Protection</b>	Impervious gloves should be worn to prevent skin contact.

**Section 9 Physical and Chemical Properties**

<b>Physical State</b>	Liquid
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### Section 9 Physical and Chemical Properties (Continued)

<b>Color</b>	Colorless
<b>Transparency</b>	Transparent
<b>Odor</b>	Odorless
<b>Odor Threshold</b>	Not applicable
<b>pH</b>	8.1
<b>Boiling Point</b>	Not available
<b>Melting Point</b>	Not available
<b>Specific Gravity</b>	1.01 @20°C
<b>Vapor Pressure</b>	Not available
<b>Vapor Density</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Coefficient of Water/Oil Distribution</b>	Not available
<b>Percent Volatiles</b>	Not applicable
<b>Solubility</b>	
<b>Water</b>	Miscible
<b>Organic</b>	Not available

### Section 10 Stability and Reactivity

<b>Stability</b>	Stable under normal temperatures and pressures.
<b>Hazardous Incompatibilities</b>	Metals and metallic compounds Sodium azide forms explosive compounds with heavy metals. Repeated contact of low concentrations of azide with lead and copper commonly found in plumbing drains may result in the build up of shock sensitive compounds.
<b>Hazardous Decomposition Products</b>	When stored as labeled, no known hazardous decomposition products are formed during the shelf-life of this product.
<b>Conditions to Avoid</b>	Keep away from incompatible material.

### Section 11 Toxicological Information

<b>Toxicity Data for Hazardous Ingredients</b>	Not applicable
<b>Primary Routes of Exposure</b>	The most likely routes of exposure are skin and eye contact and inhalation.
<b>Potential Effects of Acute Exposure</b>	None identified.
<b>Potential Effects of Chronic Exposure</b>	None identified.
<b>Symptoms of Overexposure</b>	No specific symptoms identified.

### Section 11 Toxicological Information (Continued)

<b>Carcinogenicity</b>	No ingredients in this product are listed as carcinogens by ACGIH, IARC, NTP, OSHA or 67/548/EEC Annex I.
<b>Other Effects</b>	None identified.
<b>Conditions Aggravated by Exposure</b>	None identified.

### Section 12 Ecological Information

<b>Ecotoxicity</b>	No information available.
<b>Biodegradability</b>	No information available.
<b>Mobility</b>	No information available.

### Section 13 Disposal Considerations

<b>Waste Disposal</b>	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. Sodium azide preservative may form explosive compounds in metal drain lines. See NIOSH Bulletin: Explosive Azide Hazard (8/16/76).
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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

<b>US Federal and State Regulations</b>	
SARA 313	Sodium Azide is subject to reporting requirements of Section 313, Title III of SARA.
CERCLA RG's, 40 CFR 302.4	Sodium Azide is listed.
California Proposition 65	No ingredients listed
Massachusetts MSL	Sodium Azide is listed.
New Jersey Dept. of Health RTK List	Sodium Azide is listed.
Pennsylvania RTK	Sodium Azide is listed.

<b>EU</b>	
Dangerous Ingredients	None

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

This product is exempt from WHMIS label and MSDS requirements.

**PIN:** Not applicable

**Ingredients on Ingredient Disclosure List:** Sodium Azide

**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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