



# MATERIAL SAFETY DATA SHEET

## Section 1 Company and Product Identification

<b>Product Name</b>	ULTRACENTRIFUGE HIGH SPEED DRIVE OIL	Doc. ID 302411-75 AA Issued (day/month/year) 11/08/2000
<b>Part Number</b>	302411	
<b>Manufacturer</b>	Beckman Coulter, Inc. 4300 Harbor Blvd. Fullerton, CA 92834-3100, U.S.A.	
<b>Distributor and Emergency Phone No.</b>	 Refer to attached list, Document ID: 472050, 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>	<p style="text-align: center;">Amber; Translucent; Liquid; Mild odor Nonflammable aqueous solution. Does not meet EU, OSHA or WHMIS criteria for hazardous materials.</p>		
<b>Physical Hazards</b>	No physical hazards were determined from a review of available literature.		
<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> Not applicable	<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 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.
<b>Skin Contact</b>	In case of skin contact, wash area with soap and water. Rinse well with water.
<b>Ingestion</b>	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.

### Section 5 Fire Fighting Measures

<b>Flash Point</b>	>207°C(404.6°F)
<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>	Combustion products may include oxides of carbon and nitrogen.
<b>Protective Equipment for Firefighters</b>	Self-contained breathing apparatus is recommended for firefighters in all chemical fire situations.

### 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 spill 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 in the original container at room temperature.

### 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>	No special engineering controls are required. Use with good general ventilation.
<b>Respiratory Protection</b>	Under normal conditions, the use of this product should not require respiratory protection.
<b>Eye Protection</b>	Safety glasses are recommended to prevent eye contact.
<b>Skin Protection</b>	Impervious gloves are recommended to prevent repeated or prolonged 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>	Amber
<b>Transparency</b>	Translucent
<b>Odor</b>	Mild odor
<b>Odor Threshold</b>	Not applicable
<b>pH</b>	Not available
<b>Boiling Point</b>	>316°C(600.8°F)
<b>Melting Point</b>	Not applicable
<b>Specific Gravity</b>	0.87 @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>	Not available
<b>Organic</b>	Not available

### Section 10 Stability and Reactivity

<b>Stability</b>	Stable under normal temperatures and pressures.
<b>Hazardous Incompatibilities</b>	No hazardous incompatibilities were determined from a review of literature available.
<b>Hazardous Decomposition Products</b>	No decomposition products posing significant hazards would be expected from this product.
<b>Conditions to Avoid</b>	None determined.

### 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.
<b>Potential Effects of Acute Exposure</b>	None identified.
<b>Potential Effects of Chronic Exposure</b>	None identified.
<b>Symptoms of Overexposure</b>	None identified.
<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.

### Section 11 Toxicological Information (Continued)

**Conditions Aggravated by Exposure**      None identified.

### Section 12 Ecological Information

**Ecotoxicity**      No information available.

**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.

### 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	No ingredients listed

#### EU

Dangerous Ingredients      None

#### Canada

This product does not meet WHMIS criteria for hazardous materials.

**PIN:**      Not applicable

**Ingredients on Ingredient Disclosure List:**      None

**Ingredients with unknown toxicological properties:**      None

**Section 16 Other Information**

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

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