

BECKMAN**Kit MSDS**

Doc. ID: 650218-75: Rev. AA

Product Information

Product Name	Lipid Calibrator	Doc. ID 650218-75 AA Issued (day/month/year) 11/05/1998
Part Number	650218	
Series Name:	SYNCHRON® Systems	

Components

Description
Lipid Calibrator Level 1 Lipid Calibrator Level 2

Transport Information

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

BECKMAN**MATERIAL SAFETY DATA SHEET****Section 1 Company and Product Identification**

Product Name	Lipid Calibrator Level 1	Lipid Calibrator Doc. ID 650218-75 AA Issued (day/month/year) 11/05/1998
Part Number	Component of P/N 650218	
Product Use	Working Solution only	
Series Name	SYNCHRON® Systems	
Manufacturer	Beckman Instruments, Inc. 2500 Harbor Blvd. Fullerton, CA 92834-3100, U.S.A.	
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: None

Section 3 Hazards Identification

Emergency Overview	Amber; Translucent; Liquid; Mild odor Nonflammable aqueous solution. Does not meet EU, OSHA or WHMIS criteria for hazardous materials. Contains material of human origin.		
Physical Hazards	No physical hazards were determined from a review of available literature.		
Potential Health Effects Summary	This product does not meet EU, OSHA or WHMIS criteria for hazardous materials. However, it does contain material of human and animal origin and should be considered potentially infectious.		
Product Hazard Classifications	EU: Not applicable	WHMIS: Exempt	US OSHA: Not applicable

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 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. Then gently wash skin with soap and water; rinse well. If product contacted broken skin, soak the wound area with a 1:10 dilution of fresh household bleach for 10 minutes. Rinse with water to remove residual bleach. (Remove contaminated clothing and disinfect with a 1:10 dilution of fresh household bleach.) Obtain medical attention.

Lipid Calibrator Lipid Calibrator Level 1	Doc. ID: 650218-75 AA	Page 3 of 11
Section 4 First Aid Measures (Continued)		
Ingestion	If ingested, wash out mouth with water. Call a physician.	

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	Due to the composition and volume of this product, combustion products generated from it are not expected to present a significant hazard.
Protective Equipment for Firefighters	Self-contained breathing apparatus is recommended for firefighters.

Section 6 Accidental Release Measures	
Personal Precautions	Use universal precautions during clean up procedures.
Spill and Leak Procedures	As a precautionary measure, treat spilled material with a 1:10 bleach/water solution. Absorb liquid and place in container suitable for disposal. Avoid generation of aerosols during clean up. Comply with applicable waste disposal regulations.
Environmental Precautions	Contain spill to prevent migration.

Section 7 Handling and Storage	
Handling Precautions	This product should be handled as though capable of transmitting infectious diseases. Universal precautions should be followed when using this product.
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:	None established
ACGIH:	None established
DFG MAK:	None established
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.

Lipid Calibrator Lipid Calibrator Level 1		Doc. ID: 650218-75 AA	Page 4 of 11
Section 8 Exposure Controls and Personal Protection (Continued)			
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	Amber
Transparency	Translucent
Odor	Mild odor
Odor Threshold	Not applicable
pH	9.0
Boiling Point	Not available
Melting Point	Not available
Specific Gravity	1.04 @20°C
Vapor Pressure	Not available
Vapor Density	Not available
Evaporation Rate	Not available
Solubility	
Water	Miscible
Organic	Not applicable

Section 10 Stability and Reactivity	
Stability	Stable under normal temperatures and pressures.
Hazardous Incompatibilities	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.
Hazardous Decomposition Products	When stored as labeled, no known hazardous decomposition products are formed during the shelf-life of this product.
Conditions to Avoid	Keep away from incompatible material.

Section 11 Toxicological Information	
Toxicity Data for Hazardous Ingredients	Not applicable
Primary Routes of Exposure	The most likely routes of exposure are skin and eye contact and inhalation; material may be absorbed through the skin, especially if skin is raw or damaged.
Potential Effects of Acute Exposure	This product contains materials of human and animal origin and should be considered as potentially capable of transmitting infectious diseases.

Lipid Calibrator Lipid Calibrator Level 1	Doc. ID: 650218-75 AA	Page 5 of 11
--	-----------------------	--------------

Section 11 Toxicological Information (Continued)

Potential Effects of Chronic Exposure	Effects are similar to those for acute exposure.
Symptoms of Overexposure	No specific symptoms identified.
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	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. Sodium azide preservative may form explosive compounds in metal drain lines. See NIOSH Bulletin: Explosive Azide Hazard (8/16/76).
-----------------------	---

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	Sodium Azide is subject to reporting requirements of Section 313, Title III of SARA.
CERCLA RG's, 40 CFR 302.4	Sodium Hydroxide is listed. Sodium Azide is listed.
California Proposition 65	No ingredients listed
Massachusetts MSL	Sucrose is listed. Sodium Hydroxide is listed. Sodium Azide is listed.
New Jersey Dept. of Health RTK List	Sodium Hydroxide is listed. Sodium Azide is listed.
Pennsylvania RTK	Sucrose is listed. Sodium Hydroxide is listed. Sodium Azide is listed.

Lipid Calibrator Lipid Calibrator Level 1	Doc. ID: 650218-75 AA	Page 6 of 11
Section 15 Regulatory Information (Continued)		
EU Dangerous Ingredients None		

Section 16 Other Information
For further information, please contact your local Beckman representative.

WHILE BECKMAN INSTRUMENTS, INC. BELIEVES THE INFORMATION CONTAINED HEREIN IS VALID AND ACCURATE, BECKMAN MAKES NO WARRANTY OR REPRESENTATION AS TO ITS VALIDITY, ACCURACY, OR CURRENCY. BECKMAN 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.

BECKMAN**MATERIAL SAFETY DATA SHEET****Section 1 Company and Product Identification**

Product Name	Lipid Calibrator Level 2	Lipid Calibrator Doc. ID 650218-75 AA Issued (day/month/year) 11/05/1998
Part Number	Component of P/N 650218	
Product Use	Working Solution only	
Series Name	SYNCHRON® Systems	
Manufacturer	Beckman Instruments, Inc. 2500 Harbor Blvd. Fullerton, CA 92834-3100, U.S.A.	
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: None

Section 3 Hazards Identification

Emergency Overview	Amber; Translucent; Liquid; Mild odor Nonflammable aqueous solution. Does not meet EU, OSHA or WHMIS criteria for hazardous materials. Contains material of human and animal origin.		
Physical Hazards	No physical hazards were determined from a review of available literature.		
Potential Health Effects Summary	This product does not meet EU, OSHA or WHMIS criteria for hazardous materials. However, it does contain material of human and animal origin and should be considered potentially infectious.		
Product Hazard Classifications	EU: Not applicable	WHMIS: Exempt	US OSHA: Not applicable

Section 4 First Aid Measures

Inhalation	If gel becomes aerosolized and 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.

Lipid Calibrator Lipid Calibrator Level 2	Doc. ID: 650218-75 AA	Page 8 of 11
Section 4 First Aid Measures (Continued)		
Skin Contact	In case of skin contact, flush with copious amounts of water for at least 15 minutes. Then gently wash skin with soap and water; rinse well. If product contacted broken skin, soak the wound area with a 1:10 dilution of fresh household bleach for 10 minutes. Rinse with water to remove residual bleach. (Remove contaminated clothing and disinfect with a 1:10 dilution of fresh household bleach.) Obtain medical attention.	
Ingestion	If ingested, wash out mouth with water. Call a physician.	

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	Due to the composition and volume of this product, combustion products generated from it are not expected to present a significant hazard.	
Protective Equipment for Firefighters	Self-contained breathing apparatus is recommended for firefighters.	

Section 6 Accidental Release Measures		
Personal Precautions	Use universal precautions during clean up procedures.	
Spill and Leak Procedures	As a precautionary measure, treat spilled material with a 1:10 bleach/water solution. Absorb liquid and place in container suitable for disposal. Avoid generation of aerosols during clean up. Comply with applicable waste disposal regulations.	
Environmental Precautions	Contain spill to prevent migration.	

Section 7 Handling and Storage		
Handling Precautions	This product should be handled as though capable of transmitting infectious diseases. Universal precautions should be followed when using this product.	
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:	None established	
ACGIH:	None established	
DFG MAK:	None established	

Lipid Calibrator Lipid Calibrator Level 2		Doc. ID: 650218-75 AA	Page 9 of 11
Section 8 Exposure Controls and Personal Protection (Continued)			
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	Amber
Transparency	Translucent
Odor	Mild odor
Odor Threshold	Not applicable
pH	9
Boiling Point	Not available
Melting Point	Not available
Specific Gravity	1.04 @20°C
Vapor Pressure	Not available
Vapor Density	Not available
Evaporation Rate	Not available
Solubility	
Water	Miscible
Organic	Not applicable

Section 10 Stability and Reactivity	
Stability	Stable under normal temperatures and pressures.
Hazardous Incompatibilities	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.
Hazardous Decomposition Products	When stored as labeled, no known hazardous decomposition products are formed during the shelf-life of this product.
Conditions to Avoid	Keep away from incompatible material.

Section 11 Toxicological Information	
Toxicity Data for Hazardous Ingredients	Not applicable

Lipid Calibrator Lipid Calibrator Level 2	Doc. ID: 650218-75 AA	Page 10 of 11
--	-----------------------	---------------

Section 11 Toxicological Information (Continued)

Primary Routes of Exposure	The most likely routes of exposure are skin and eye contact and inhalation; material may be absorbed through the skin, especially if skin is raw or damaged.
Potential Effects of Acute Exposure	This product contains materials of human and animal origin and should be considered as potentially capable of transmitting infectious diseases.
Potential Effects of Chronic Exposure	Effects are similar to those for acute exposure.
Symptoms of Overexposure	No specific symptoms identified.
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	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. Sodium azide preservative may form explosive compounds in metal drain lines. See NIOSH Bulletin: Explosive Azide Hazard (8/16/76).
-----------------------	---

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	Sodium Azide is subject to reporting requirements of Section 313, Title III of SARA.
CERCLA RG's, 40 CFR 302.4	Sodium Hydroxide is listed. Sodium Azide is listed.
California Proposition 65	No ingredients listed
Massachusetts MSL	Sucrose is listed. Sodium Hydroxide is listed. Sodium Azide is listed.
New Jersey Dept. of Health RTK List	Sodium Hydroxide is listed. Sodium Azide is listed.

Lipid Calibrator		Doc. ID: 650218-75 AA	Page 11 of 11
Lipid Calibrator Level 2			
Section 15 Regulatory Information (Continued)			
US Federal and State Regulations			
Pennsylvania RTK	Sucrose is listed. Sodium Hydroxide is listed. Sodium Azide is listed.		
EU			
Dangerous Ingredients	None		

Section 16 Other Information	
For further information, please contact your local Beckman representative.	

WHILE BECKMAN INSTRUMENTS, INC. BELIEVES THE INFORMATION CONTAINED HEREIN IS VALID AND ACCURATE, BECKMAN MAKES NO WARRANTY OR REPRESENTATION AS TO ITS VALIDITY, ACCURACY, OR CURRENCY. BECKMAN 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.