



Sweetwater Technologies

P.O. Box 1473, Temecula, CA 92593
Telephone (909) 676-2443 FAX (909) 676-2913

Material Safety Data Sheet

Section I - Identification

Trade Name: 9301	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.27 - 1.41
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
Date of Issue:	07/06/97	SW CAT:	BAC
		Supercedes:	
		Prepared by:	JWC



Sweetwater Technologies

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Material Safety Data Sheet

Section I - Identification

Trade Name: 9302	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.26 - 1.40
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
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		Prepared by:	JWC



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Material Safety Data Sheet

Section I - Identification

Trade Name: 9305	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.25 - 1.39
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
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		Prepared by:	JWC



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Material Safety Data Sheet

Section I - Identification

Trade Name: 9308	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.25 - 1.36
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

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Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
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Material Safety Data Sheet

Section I - Identification

Trade Name: 9311	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.16 - 1.28
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
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		Prepared by:	JWC

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Material Safety Data Sheet

Section I - Identification

Trade Name: 9301A	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.27 - 1.41
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

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		Prepared by:	JWC

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Sweetwater Technologies

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Material Safety Data Sheet

Section I - Identification

Trade Name: 9302A	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.26 - 1.40
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

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		Prepared by:	JWC

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Material Safety Data Sheet

Section I - Identification

Trade Name: 9305A	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.25 - 1.39
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
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Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

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Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
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Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
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Material Safety Data Sheet

Section I - Identification

Trade Name: 9308A	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.25 - 1.36
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
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Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

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		Supercedes:	
		Prepared by:	JWC

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Material Safety Data Sheet

Section I - Identification

Trade Name: 9311A	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.16 - 1.28
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
Date of Issue:	07/06/97	SW CAT:	BAC
		Supercedes:	
		Prepared by:	JWC

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Material Safety Data Sheet

Section I - Identification

Trade Name: 9301B	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.27 - 1.41
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
Date of Issue:	07/06/97	SW CAT:	BAC
		Supercedes:	
		Prepared by:	JWC



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Material Safety Data Sheet

Section I - Identification

Trade Name: 9302B	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.26 - 1.40
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
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		Prepared by:	JWC



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Material Safety Data Sheet

Section I - Identification

Trade Name: 9305B	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.25 - 1.39
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
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Material Safety Data Sheet

Section I - Identification

Trade Name: 9308B	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.25 - 1.36
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
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Material Safety Data Sheet

Section I - Identification

Trade Name: 9311B	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.16 - 1.28
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
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Material Safety Data Sheet

Section I - Identification

Trade Name: 8801	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.29 - 1.42
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
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Material Safety Data Sheet

Section I - Identification

Trade Name: 8803	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.29 - 1.42
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
Date of Issue:	07/06/97	SW CAT:	BAC
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		Prepared by:	JWC

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Material Safety Data Sheet

Section I - Identification

Trade Name: 8805	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.25 - 1.38
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
Date of Issue:	07/06/97	SW CAT:	BAC
		Supercedes:	
		Prepared by:	JWC

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Material Safety Data Sheet

Section I - Identification

Trade Name: 8807	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.23 - 1.36
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
Date of Issue:	07/06/97	SW CAT:	BAC
		Supercedes:	
		Prepared by:	JWC

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Material Safety Data Sheet

Section I - Identification

Trade Name: 5009	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.20 - 1.32
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
Date of Issue:	07/06/97	SW CAT:	BAC
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		Prepared by:	JWC

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Material Safety Data Sheet

Section I - Identification

Trade Name: 8801L	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.29 - 1.42
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
Date of Issue:	07/06/97	SW CAT:	BAC
		Supercedes:	
		Prepared by:	JWC



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Material Safety Data Sheet

Section I - Identification

Trade Name: 8803L	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.26 - 1.39
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
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		Supercedes:	
		Prepared by:	JWC



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Material Safety Data Sheet

Section I - Identification

Trade Name: 8805L	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.25 - 1.38
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
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		Prepared by:	JWC



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Material Safety Data Sheet

Section I - Identification

Trade Name: 8807L	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.23 - 1.36
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
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Material Safety Data Sheet

Section I - Identification

Trade Name: 8809L	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.20 - 1.32
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
Date of Issue:	07/06/97	SW CAT:	BAC
		Supercedes:	
		Prepared by:	JWC



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Material Safety Data Sheet

Section I - Identification

Trade Name: 8801A	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.29 - 1.42
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled: Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method: Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
Date of Issue: 07/06/97	SW CAT: BAC	Supercedes:	Prepared by: JWC



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Material Safety Data Sheet

Section I - Identification

Trade Name: 8803A	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.29 - 1.42
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
Date of Issue:	07/06/97	SW CAT:	BAC
		Supercedes:	
		Prepared by:	JWC

The above information is based upon information Sweetwater believes to be true and correct and is supplied for informational purposes only. Sweetwater disclaims any damage which results from the use of the above information and nothing contained therein shall constitute a guarantee, warranty (including warranty of merchantability or fitness for a particular purpose) or representation (including freedom from patent liability) by Sweetwater with respect to the accuracy or completeness of the data, the product described or their use for any specific purpose even if that purpose is known to Sweetwater. The final determination of the suitability of the information, the manner of use of the information and potential infringement is the sole responsibility of the user.



Sweetwater Technologies

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Telephone (909) 676-2443 FAX (909) 676-2913

Material Safety Data Sheet

Section I - Identification

Trade Name: 8805A	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.25 - 1.38
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
Date of Issue:	07/06/97	SW CAT:	BAC
		Supercedes:	
		Prepared by:	JWC

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Material Safety Data Sheet

Section I - Identification

Trade Name: 8807A	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.23 - 1.36
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
Date of Issue:	07/06/97	SW CAT:	BAC
		Supercedes:	
		Prepared by:	JWC

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Material Safety Data Sheet

Section I - Identification

Trade Name: 8808	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.20 - 1.32
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
Date of Issue:	07/06/97	SW CAT:	BAC
		Supercedes:	
		Prepared by:	JWC

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Material Safety Data Sheet

Section I - Identification

Trade Name: 8801B	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.29 - 1.42
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
Date of Issue:	07/06/97	SW CAT:	BAC
		Supercedes:	
		Prepared by:	JWC



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Material Safety Data Sheet

Section I - Identification

Trade Name: 8803B	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.26 - 1.39
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
Date of Issue:	07/06/97	SW CAT:	BAC
		Supercedes:	
		Prepared by:	JWC



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Material Safety Data Sheet

Section I - Identification

Trade Name: 8805B	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.25 - 1.38
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
Date of Issue:	07/06/97	SW CAT:	BAC
		Supercedes:	
		Prepared by:	JWC



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Material Safety Data Sheet

Section I - Identification

Trade Name: 8807B	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.23 - 1.36
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
Date of Issue:	07/06/97	SW CAT:	BAC
		Supercedes:	
		Prepared by:	JWC



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Material Safety Data Sheet

Section I - Identification

Trade Name: 8809B	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.20 - 1.32
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
Date of Issue:	07/06/97	SW CAT:	BAC
		Supercedes:	
		Prepared by:	JWC



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Material Safety Data Sheet

Section I - Identification

Trade Name: 9311AL	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.16 - 1.28
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
Date of Issue:	07/06/97	SW CAT:	BAC
		Supercedes:	
		Prepared by:	JWC

The above information is based upon information Sweetwater believes to be true and correct and is supplied for informational purposes only. Sweetwater disclaims any damage which results from the use of the above information and nothing contained therein shall constitute a guarantee, warranty (including warranty of merchantability or fitness for a particular purpose) or representation (including freedom from patent liability) by Sweetwater with respect to the accuracy or completeness of the data, the product described or their use for any specific purpose even if that purpose is known to Sweetwater. The final determination of the suitability of the information, the manner of use of the information and potential infringement is the sole responsibility of the user.

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Sweetwater Technologies

P.O. Box 1473, Temecula, CA 92593
Telephone (909) 676-2443 FAX (909) 676-2913

Material Safety Data Sheet

Section I - Identification

Trade Name: 8809	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.20 - 1.32
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
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Sweetwater Technologies

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Telephone (909) 676-2443 FAX (909) 676-2913

Material Safety Data Sheet

Section I - Identification

Trade Name: 9308B	CAS Number:
Chemical Name and Synonyms: Liquid Cationic Polymer Blend	
Chemical Name: Coagulant	Formula: Proprietary

Section II - Hazardous Ingredients

Component	%	TLV-TWA
Contains no hazardous mixtures of other liquids, solids or gases.		

Section III - Physical Data

Boiling Point (C)	>100C	Specific Gravity	1.16 - 1.28
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Soluble	pH Neat	4-7
Appearance and Odor: Colorless to light amber, slight to no odor, clear with no appreciable suspended matter			

Section IV - Fire and Explosion Data

Flash Point Method: N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media: Product is not flammable.			
Special Fire, Hazard, and Fire Fighting Procedures: A self-contained breathing apparatus should be worn by fire-fighting personnel.			

Section V - Reactivity Data

Stability: Stable	Hazardous Polymerization: No	Conditions to Avoid: N/A
Incompatibility, Materials to Avoid: Strong oxidizing agents		Hazardous Decomposition Products: Oxides of nitrogen, carbon dioxide or monoxide and HCl

Section VI - Health Hazard Data

Threshold Limit Value (TWA):	Not available
Symptoms of Overexposure:	May cause skin and eye irritation. If inhaled, may cause headaches, nausea and respiratory irritations.
Primary Routes of Entry:	Skin
Toxicity Information:	Is not listed in NIOSH's Registry of Toxic Effects, 1981-1982. No known toxicity information is available at this time.
Emergency First Aid Procedures	
Skin:	Wash affected area with soap and water for 5 minutes. If irritation develops, call a physician.
Eyes:	Flush eyes with copious amounts of water for 15 minutes.
Ingestion:	Drink plenty of fluids and call a physician.
Inhalation:	Move individual to an uncontaminated area and administer oxygen if necessary. Avoid breathing mists or vapors.

Section VII - Special Protection Information

Respiratory Protection (Specify Type): None required when ventilation is acceptable.	
Ventilation: Area should be well ventilated.	Protective Gloves: Impervious
Eye Protection: Chemical splash goggles	Other Protective Equipment: Eye bath and safety shower

Section VIII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:	Dike and absorb spills with inert material such as sand and dirt. Shovel into drums for disposal. Do not allow spill to enter waterways. Spill area may be slippery.
Waste Disposal Method:	Follow federal, state and local regulations for disposal in an approved landfill.

Section IX - Special Precautions

Precautions to be taken in handling and storing: Keep container closed when not in use. Empty container should not be reused until cleaned.			
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		Supercedes:	
		Prepared by:	JWC