

Material Safety Data Sheets
Full size (8.5 x 11") pdf copy of MSDS available at www.edvotek.com or by request.

EDVO-Kit #
336

<p>EDVOTEK</p> <p>Material Safety Data Sheet</p> <p>May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.</p>		<p>IDENTITY (As Used on Label and List)</p> <p>Agriose</p>		<p>Back: Back exposure not permitted. If any back exposure is applicable, or no information is available, this space must be marked to indicate that.</p>	
<p>Section I</p> <p>Manufacturer's Name EDVOTEK, Inc.</p> <p>Address (Number, Street, City, State, Zip Code) 14676 Rothgeb Drive Rockville, MD 20850</p> <p>Emergency Telephone Number (301) 251-5990 Telephone Number for information (301) 251-5990 Date Prepared 10/05/06 Signature of Preparer (optional)</p>		<p>Section II - Hazardous Ingredients/Identify Information</p> <p>Hazardous Components (Specific Gravity, Boiling Point, Flash Point, etc.) OSHA PEL, ACGIH TLV, Recommended % (Optional Chemical Identity, Common Name(s))</p> <p>This product contains no hazardous materials as defined by the OSHA Hazard Communication Standard.</p>			
<p>Section III - Physical/Chemical Characteristics</p> <p>Boiling Point No data Specific Gravity (H₂O = 1) No data</p> <p>Vapor Pressure (mm Hg.) No data Melting Point N/A</p> <p>Vapor Density (AIR = 1) No data Evaporation Rate (Butyl Acetate = 1) No data</p> <p>Solubility in Water Soluble</p> <p>Appearance and Odor Blue liquid, no odor</p>		<p>Section IV - Physical/Chemical Characteristics</p> <p>Flash Point (Method Used) No data Flammable Limits LEL No data UEL No data</p> <p>Extinguishing Media Dry chemical, carbon dioxide, water spray or foam</p> <p>Special Fire Fighting Procedures Use agents suitable for type of surrounding fire. Keep upwind, avoid breathing hazardous sulfur oxides and bromides. Wear SCBA.</p> <p>Unusual Fire and Explosion Hazards Unknown</p>			

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<p>Section I</p> <p>Manufacturer's Name EDVOTEK, Inc.</p> <p>Address (Number, Street, City, State, Zip Code) 14676 Rothgeb Drive Rockville, MD 20850</p> <p>Emergency Telephone Number (301) 251-5990 Telephone Number for information (301) 251-5990 Date Prepared 10/05/06 Signature of Preparer (optional)</p>		<p>Section II - Hazardous Ingredients/Identify Information</p> <p>Hazardous Components (Specific Gravity, Boiling Point, Flash Point, etc.) OSHA PEL, ACGIH TLV, Recommended % (Optional Chemical Identity, Common Name(s))</p> <p>This product contains no hazardous materials as defined by the OSHA Hazard Communication Standard.</p>			
<p>Section III - Physical/Chemical Characteristics</p> <p>Boiling Point No data Specific Gravity (H₂O = 1) No data</p> <p>Vapor Pressure (mm Hg.) No data Melting Point No data</p> <p>Vapor Density (AIR = 1) No data Evaporation Rate (Butyl Acetate = 1) No data</p> <p>Solubility in Water Appreciable, (greater than 10%)</p> <p>Appearance and Odor Clear, liquid, slight vinegar odor</p>		<p>Section IV - Physical/Chemical Characteristics</p> <p>Flash Point (Method Used) No data Flammable Limits LEL N.D. UEL N.D.</p> <p>Extinguishing Media Use extinguishing media appropriate for surrounding fire.</p> <p>Special Fire Fighting Procedures Wear protective equipment and SCBA with full facepiece operated in positive pressure mode.</p> <p>Unusual Fire and Explosion Hazards None identified</p>			

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<p>Section I</p> <p>Manufacturer's Name EDVOTEK, Inc.</p> <p>Address (Number, Street, City, State, Zip Code) 14676 Rothgeb Drive Rockville, MD 20850</p> <p>Emergency Telephone Number (301) 251-5990 Telephone Number for information (301) 251-5990 Date Prepared 10/05/06 Signature of Preparer (optional)</p>		<p>Section II - Hazardous Ingredients/Identify Information</p> <p>Hazardous Components (Specific Gravity, Boiling Point, Flash Point, etc.) OSHA PEL, ACGIH TLV, Recommended % (Optional Chemical Identity, Common Name(s))</p> <p>This product contains no hazardous materials as defined by the OSHA Hazard Communication Standard.</p>			
<p>Section III - Physical/Chemical Characteristics</p> <p>Boiling Point For 1% solution 194.F Specific Gravity (H₂O = 1) 2 No data</p> <p>Vapor Pressure (mm Hg.) No data Melting Point No data</p> <p>Vapor Density (AIR = 1) No data Evaporation Rate (Butyl Acetate = 1) No data</p> <p>Solubility in Water Insoluble - cold</p> <p>Appearance and Odor White powder, no odor</p>		<p>Section IV - Physical/Chemical Characteristics</p> <p>Flash Point (Method Used) No data Flammable Limits LEL N.D. UEL N.D.</p> <p>Extinguishing Media Water spray, dry chemical, carbon dioxide, halon or standard foam</p> <p>Special Fire Fighting Procedures Possible fire hazard when exposed to heat or flame</p> <p>Unusual Fire and Explosion Hazards None</p>			

<p>Section V - Reactivity Data</p> <p>Stability Unstable X Stable None</p> <p>Incompatibility None known</p> <p>Hazardous Decomposition or Byproducts Sulfur oxides and bromides</p> <p>Hazardous Polymerization Will Not Occur X</p> <p>Routes of Entry: Inhalation? Yes Skin? Yes Ingestion? Yes</p> <p>Health Hazards (Acute and Chronic) No data available for other routes</p> <p>Carcinogenicity: NTP No data IARC Monographs? OSHA Regulation? No data</p> <p>Signs and Symptoms of Exposure May cause skin or eye irritation</p> <p>Medical Conditions Generally Aggravated by Exposure None reported</p> <p>Emergency First Aid Procedures Treat symptomatically and supportively. Rinse contacted area with copious amounts of water.</p>		<p>Section VI - Health Hazard Data</p> <p>Routes of Entry: Inhalation? Yes Skin? Yes Ingestion? Yes</p> <p>Health Hazards (Acute and Chronic) No data available for other routes</p> <p>Carcinogenicity: NTP No data IARC Monographs? OSHA Regulation? No data</p> <p>Signs and Symptoms of Exposure May cause skin or eye irritation</p> <p>Medical Conditions Generally Aggravated by Exposure None reported</p> <p>Emergency First Aid Procedures Treat symptomatically and supportively. Rinse contacted area with copious amounts of water.</p>	
<p>Section VII - Precautions for Safe Handling and Use</p> <p>Steps to be Taken in case Material is Released or Spilled Rinse contacted area with copious amounts of water.</p> <p>Waste Disposal Method Observe all federal, state, and local regulations.</p> <p>Precautions to be Taken in Handling and Storing Avoid eye and skin contact.</p> <p>Other Precautions None</p>		<p>Section VIII - Control Measures</p> <p>Respiratory Protection (Specify Type) Chemical cartridge respirator with organic vapor cartridge.</p> <p>Ventilation Local Exhaust Yes Special None</p> <p>Protective Gloves Mechanical (General) Yes Other None</p> <p>Other Protective Clothing or Equipment Eye Protection Splash proof goggles</p> <p>Work/Hygiene Practices Do not ingest. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.</p>	

<p>Section V - Reactivity Data</p> <p>Stability Unstable X Stable None</p> <p>Incompatibility Strong oxidizing agents</p> <p>Hazardous Decomposition or Byproducts Carbon monoxide, Carbon dioxide</p> <p>Hazardous Polymerization Will Not Occur X</p> <p>Routes of Entry: Inhalation? Yes Skin? Yes Ingestion? Yes</p> <p>Health Hazards (Acute and Chronic) None</p> <p>Carcinogenicity: None identified NTP? IARC Monographs? OSHA Regulation?</p> <p>Signs and Symptoms of Exposure Irritation to upper respiratory tract, skin, eyes</p> <p>Medical Conditions Generally Aggravated by Exposure None</p> <p>Emergency First Aid Procedures Ingestion: If conscious, give large amounts of water. Eyes: Flush with water. Inhalation: Move to fresh air. Skin: Wash with soap and water.</p>		<p>Section VI - Health Hazard Data</p> <p>Routes of Entry: Inhalation? Yes Skin? Yes Ingestion? Yes</p> <p>Health Hazards (Acute and Chronic) None</p> <p>Carcinogenicity: None identified NTP? IARC Monographs? OSHA Regulation?</p> <p>Signs and Symptoms of Exposure Irritation to upper respiratory tract, skin, eyes</p> <p>Medical Conditions Generally Aggravated by Exposure None</p> <p>Emergency First Aid Procedures Ingestion: If conscious, give large amounts of water. Eyes: Flush with water. Inhalation: Move to fresh air. Skin: Wash with soap and water.</p>	
<p>Section VII - Precautions for Safe Handling and Use</p> <p>Steps to be Taken in case Material is Released or Spilled Rinse with water, or collect in absorbent material and dispose of the absorbent material.</p> <p>Waste Disposal Method Dispose in accordance with all applicable federal, state, and local environmental regulations.</p> <p>Precautions to be Taken in Handling and Storing Avoid eye and skin contact.</p> <p>Other Precautions None</p>		<p>Section VIII - Control Measures</p> <p>Respiratory Protection (Specify Type)</p> <p>Ventilation Local Exhaust Yes Special None</p> <p>Protective Gloves Mechanical (General) Yes Other None</p> <p>Other Protective Clothing or Equipment Eye Protection Safety goggles</p> <p>Work/Hygiene Practices None</p>	

<p>Section V - Reactivity Data</p> <p>Stability Unstable X Stable None</p> <p>Incompatibility No data available</p> <p>Hazardous Decomposition or Byproducts</p> <p>Hazardous Polymerization May Occur X Will Not Occur None</p> <p>Routes of Entry: Inhalation? Yes Skin? Yes Ingestion? Yes</p> <p>Health Hazards (Acute and Chronic) Irritation to upper respiratory tract, skin, eyes</p> <p>Carcinogenicity: NTP No data IARC Monographs? OSHA Regulation? No data available</p> <p>Signs and Symptoms of Exposure No data available</p> <p>Medical Conditions Generally Aggravated by Exposure No data available</p> <p>Emergency First Aid Procedures Treat symptomatically and supportively</p>		<p>Section VI - Health Hazard Data</p> <p>Routes of Entry: Inhalation? Yes Skin? Yes Ingestion? Yes</p> <p>Health Hazards (Acute and Chronic) Irritation to upper respiratory tract, skin, eyes</p> <p>Carcinogenicity: NTP No data IARC Monographs? OSHA Regulation? No data available</p> <p>Signs and Symptoms of Exposure No data available</p> <p>Medical Conditions Generally Aggravated by Exposure No data available</p> <p>Emergency First Aid Procedures Treat symptomatically and supportively</p>	
<p>Section VII - Precautions for Safe Handling and Use</p> <p>Steps to be Taken in case Material is Released or Spilled Sweep up and place in suitable container for disposal</p> <p>Waste Disposal Method Normal solid waste disposal</p> <p>Precautions to be Taken in Handling and Storing None</p> <p>Other Precautions None</p>		<p>Section VIII - Control Measures</p> <p>Respiratory Protection (Specify Type) Chemical cartridge respirator with full facepiece.</p> <p>Ventilation Local Exhaust Yes Special None</p> <p>Protective Gloves Mechanical Gen. dilution ventilation Other</p> <p>Other Protective Clothing or Equipment Eye Protection Splash proof goggles</p> <p>Work/Hygiene Practices Impermeous clothing to prevent skin contact</p>	

 Material Safety Data Sheet May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.	
IDENTITY (As Used on Label and List) InstaStain® Methylene Blue, Methylene Blue Plus	
Note: Bulk weights are not certified. If any item is not applicable, or no information is available, the space must be marked to indicate that.	
Section I Manufacturer's Name EDVOTEK, Inc. Address (Number, Street, City, State, Zip Code) 14676 Rothgeb Drive Rockville, MD 20850	Emergency Telephone Number (301) 251-5990 Telephone Number for information (301) 251-5990 Date Prepared 10/05/06 Signature of Preparer (optional)
Section II - Hazardous Ingredients/Identify Information Hazardous Components Specific Chemical Identity, Common Name(s) OSHA PEL ACGIH TLV recommended % (Optional) Methylene Blue Phenothiazin 5 (UM Chloride No data available) CAS# 61734	
Section III - Physical/Chemical Characteristics Boiling Point No data Specific Gravity (H ₂ O = 1) No data Vapor Pressure (mm Hg) No data Melting Point No data Vapor Density (AIR = 1) No data Evaporation Rate (Butyl Acetate = 1) No data Solubility in Water Soluble - cold	
Appearance and Odor Chemical bound to paper, no odor	
Section IV - Physical/Chemical Characteristics Flash Point (Method Used) No data available Flammable Limits No data UEL No data Extinguishing Media Water spray, carbon dioxide, dry chemical powder, alcohol or polymer foam	
Special Fire Fighting Procedures Wear protective clothing and SCBA to prevent contact with skin & eyes	
Unusual Fire and Explosion Hazards Emits toxic fumes under fire conditions	

 Material Safety Data Sheet May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.	
IDENTITY (As Used on Label and List) InstaStain® Buffer (TE)	
Note: Bulk weights are not certified. If any item is not applicable, or no information is available, the space must be marked to indicate that.	
Section I Manufacturer's Name EDVOTEK, Inc. Address (Number, Street, City, State, Zip Code) 14676 Rothgeb Drive Rockville, MD 20850	Emergency Telephone Number (301) 251-5990 Telephone Number for information (301) 251-5990 Date Prepared 10/10/06 Signature of Preparer (optional)
Section II - Hazardous Ingredients/Identify Information Hazardous Components Specific Chemical Identity, Common Name(s) OSHA PEL ACGIH TLV recommended % (Optional) CAS# 139-33-3 No data	
Section III - Physical/Chemical Characteristics Boiling Point No data Specific Gravity (H ₂ O = 1) No data Vapor Pressure (mm Hg) No data Melting Point No data Vapor Density (AIR = 1) No data Evaporation Rate (Butyl Acetate = 1) No data Solubility in Water Soluble	
Appearance and Odor Clear, no odor	
Section IV - Physical/Chemical Characteristics Flash Point (Method Used) No data Flammable Limits LEL UEL Extinguishing Media Dry chemical, carbon dioxide, halon, water spray or standard foam	
Special Fire Fighting Procedures Move container from fire area if possible	
Unusual Fire and Explosion Hazards Thermal decomposition products may include toxic and hazardous oxides of carbon, nitrogen, and sulfur.	

 Material Safety Data Sheet May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.	
IDENTITY (As Used on Label and List) InstaStain® Ethidium Bromide	
Note: Bulk weights are not certified. If any item is not applicable, or no information is available, the space must be marked to indicate that.	
Section I Manufacturer's Name InstaStain, Inc. P.O. Box 1232 West Bethesda, MD 20827	Emergency Telephone Number (301) 251-5990 Telephone Number for information (301) 251-5990 Date Prepared 10/05/06 Signature of Preparer (optional)
Section II - Hazardous Ingredients/Identify Information Hazardous Components Specific Chemical Identity, Common Name(s) OSHA PEL ACGIH TLV recommended % (Optional) Ethidium Bromide Data not available (2,7-Diamino-10-Ethyl-9-Phenylphenanthridinium Bromide) CAS# 139-33-3	
Section III - Physical/Chemical Characteristics Boiling Point No data Specific Gravity (H ₂ O = 1) No data Vapor Pressure (mm Hg) No data Melting Point No data Vapor Density (AIR = 1) No data Evaporation Rate (Butyl Acetate = 1) No data Solubility in Water Soluble	
Appearance and Odor Chemical bound to paper, no odor	
Section IV - Physical/Chemical Characteristics Flash Point (Method Used) No data Flammable Limits LEL N.D. UEL N.D. Extinguishing Media Water spray, carbon dioxide, dry chemical powder, alcohol or polymer foam	
Special Fire Fighting Procedures Wear protective clothing and SCBA to prevent contact with skin & eyes	
Unusual Fire and Explosion Hazards Emits toxic fumes	

Section V - Reactivity Data Stability Unstable Stable Conditions to Avoid None Incompatibility Strong oxidizing agents	Hazardous Decomposition or Byproducts Toxic fumes of Carbon monoxide, Carbon dioxide, nitrogen oxides, sulfur oxides, hydrogen, chloride gas
Hazardous Polymerization May Occur Will Not Occur X None	Routes of Entry: Inhalation? Yes Skin? Yes Ingestion? Yes
Section VI - Health Hazard Data Health Hazards (Acute and Chronic) Moderately toxic by ingestion. Systemic toxicity may result. May irritate mucous membranes, upper respiratory tract, eyes, skin Carcinogenicity: NTP? IARC Monograph? OSHA Regulation?	Signs and Symptoms of Exposure No data available
Medical Conditions Generally Aggravated by Exposure No data available	
Emergency First Aid Procedures Treat symptomatically	
Section VII - Precautions for Safe Handling and Use Steps to be taken in case Material is Released or Spilled Ventilate area and wash spill site	
Waste Disposal Method Mix material with a combustible solvent and burn in a chemical incinerator equipped with afterburner and scrubber. Check local and state regulations.	
Precautions to be taken in Handling and Storing Keep tightly closed. Store in cool, dry place	
Other Precautions None	
Section VIII - Control Measures Respiratory Protection (Specify Type) MIOSH/OSHA approved, SCBA	
Ventilation Local Exhaust Yes Special Other None	Protective Gloves Rubber Eye Protection Chem. safety goggles
Other Protective Clothing or Equipment Rubber boots	
Work/Hygiene Practices	

Section V - Reactivity Data Stability Unstable Stable Conditions to Avoid Excessive heat, sparks or open flame Incompatibility Acids, aluminum, metals, oxidizers (strong)	Hazardous Decomposition or Byproducts Thermal decomposition products of toxic and hazardous oxides of C, N, & Na
Hazardous Polymerization May Occur Will Not Occur X None	Routes of Entry: Inhalation? No Skin? No Ingestion? No
Section VI - Health Hazard Data Health Hazards (Acute and Chronic) Moderately toxic by ingestion. Systemic toxicity may result. May irritate mucous membranes, upper respiratory tract, eyes, skin Carcinogenicity: NTP? IARC Monograph? OSHA Regulation?	Signs and Symptoms of Exposure No data available
Medical Conditions Generally Aggravated by Exposure Renal or heart disease, potassium deficiency, insulin dependent diabetes, seizures or intracranial lesions.	
Emergency First Aid Procedures Treat symptomatically and supportively	
Section VII - Precautions for Safe Handling and Use Steps to be taken in case Material is Released or Spilled Mop up with absorbent material. Contain to dispose or properly	
Waste Disposal Method Observe federal, state and local laws.	
Precautions to be taken in Handling and Storing Store away from strong oxidizers or heat. Avoid skin/eye contact.	
Other Precautions None	
Section VIII - Control Measures Respiratory Protection (Specify Type) Chemical cartridge respirator with full facepiece and organic vapor cartridge	
Ventilation Local Exhaust Yes Special Other None	Protective Gloves Yes Eye Protection Splash proof goggles
Other Protective Clothing or Equipment Impervious clothing to prevent skin contact	
Work/Hygiene Practices Emergency eye wash should be available	

Section V - Reactivity Data Stability Unstable Stable Conditions to Avoid None Incompatibility Strong oxidizing agents	Hazardous Decomposition or Byproducts Carbon dioxide, nitrogen oxide, hydrogen bromide gas
Hazardous Polymerization May Occur Will Not Occur X None	Routes of Entry: Inhalation? Yes Skin? Yes Ingestion? Yes
Section VI - Health Hazard Data Health Hazards (Acute and Chronic) May irritate mucous membranes, upper respiratory tract, eyes, skin Carcinogenicity: No data available NTP? IARC Monograph? OSHA Regulation?	Signs and Symptoms of Exposure Irritation to mucous membranes and upper respiratory tract
Medical Conditions Generally Aggravated by Exposure No data	
Emergency First Aid Procedures Treat symptomatically and supportively	
Section VII - Precautions for Safe Handling and Use Steps to be taken in case Material is Released or Spilled Wear SCBA, rubber boots, rubber gloves	
Waste Disposal Method Mix material with combustible solvent and burn in a chemical incinerator equipped with afterburner and scrubber	
Precautions to be taken in Handling and Storing Use in chemical fume hood with proper protective lab gear.	
Other Precautions None	
Section VIII - Control Measures Respiratory Protection (Specify Type) SCBA	
Ventilation Local Exhaust Yes Special Chem. fume hood Other None	Protective Gloves Rubber Eye Protection Chem. safety goggles
Other Protective Clothing or Equipment Rubber boots	
Work/Hygiene Practices Use in chemical fume hood with proper protective lab gear.	

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Material Safety Data Sheet	
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EDVOTEK	
IDENTITY (As Used on Label and LEL) Note: Blank spaces are not permitted. If any blank is not applicable, or no information is available, the space must be marked to indicate that.	
Sodium Chloride	
Section I	
Manufacturer's Name	EDVOTEK, Inc. (301) 251-5990
Address (Number, Street, City, State, Zip Code)	14676 Rothgeb Drive, Rockville, MD 20850
Date Prepared	10/10/06
Signature of Preparer (optional)	
Section II - Hazardous Ingredients/Identify Information	
Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL _____ ACGIH TLV _____ Other Limits Recommended _____ % (Optional)
CAS # 7647-14-5	No data
Section III - Physical/Chemical Characteristics	
Boiling Point	No data
Vapor Pressure (mm Hg.)	No data
Vapor Density (AIR = 1)	No data
Solubility in Water	Soluble
Appearance and Odor	Clear liquid
Section IV - Physical/Chemical Characteristics	
Flash Point (Method Used)	Flammable Limits _____ LEL _____ UEL _____
Extinguishing Media	Use extinguishing media appropriate to surrounding fire conditions.
Special Fire Fighting Procedures	None
Unusual Fire and Explosion Hazards	None

Section V - Reactivity Data	
Stability	Unstable _____ Stable <input checked="" type="checkbox"/> Conditions to Avoid _____
Incompatibility	Strong oxidizing agents, strong acids
Hazardous Decomposition or Byproducts	Hazardous decomposition or byproducts
Hazardous Polymerization	May Occur _____ Will Not Occur <input checked="" type="checkbox"/> Conditions to Avoid _____
Section VI - Health Hazard Data	
Route(s) of Entry:	Inhalation? Yes _____ Skin? Yes _____ Ingestion? Yes _____
Health Hazards (Acute and Chronic)	None
Carcinogenicity:	NTP? _____ IARC Monographs? _____ OSHA Regulation? _____
Signs and Symptoms of Exposure	Irritation
Medical Conditions Generally Aggravated by Exposure	None
Emergency First Aid Procedures:	Eyes/Skin: Flush with water for 15 minutes
Ingestion:	Wash mouth with water and call physician
Section VII - Precautions for Safe Handling and Use	
Steps to be Taken in case Material is Released or Spilled	Place in bag, ventilate area and wash spill site
Waste Disposal Method	Observe federal, state, and local regulations
Precautions to be Taken in Handling and Storing	Avoid skin contact.
Other Precautions	None
Section VIII - Control Measures	
Respiratory Protection (Specify Type)	None
Ventilation	Local Exhaust _____ Mechanical (General) _____ Yes _____ No _____ Special _____ Other _____
Protective Gloves	Rubber _____ Eye Protection _____ Chemical safety _____
Other Protective Clothing or Equipment	Wear NIOSH/MSHA respirator
Workhygienic Practices	Do not ingest. Avoid contact with skin, eyes and clothing.

Material Safety Data Sheet	
May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.	
EDVOTEK	
IDENTITY (As Used on Label and LEL) Note: Blank spaces are not permitted. If any blank is not applicable, or no information is available, the space must be marked to indicate that.	
Extraction Buffer	
Section I	
Manufacturer's Name	EDVOTEK, Inc. (301) 251-5990
Address (Number, Street, City, State, Zip Code)	14676 Rothgeb Drive, Rockville, MD 20850
Date Prepared	10/10/06
Signature of Preparer (optional)	
Section II - Hazardous Ingredients/Identify Information	
Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL _____ ACGIH TLV _____ Other Limits Recommended _____ % (Optional)
CAS # 51458-8	
Section III - Physical/Chemical Characteristics	
Boiling Point	100°C
Vapor Pressure (mm Hg.)	No data
Vapor Density (AIR = 1)	No data
Solubility in Water	Yes
Appearance and Odor	Clear liquid
Section IV - Physical/Chemical Characteristics	
Flash Point (Method Used)	Flammable Limits _____ LEL _____ UEL _____
Extinguishing Media	Water spray
Special Fire Fighting Procedures	Wear SCBA and protective clothing to prevent contact w/ skin and eyes.
Unusual Fire and Explosion Hazards	Emits toxic fumes under fire conditions

Section V - Reactivity Data	
Stability	Unstable _____ Stable <input checked="" type="checkbox"/> Conditions to Avoid _____
Incompatibility	Strong oxidizing agents, protect from moisture
Hazardous Decomposition or Byproducts	Carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen bromide gas
Hazardous Polymerization	May Occur _____ Will Not Occur <input checked="" type="checkbox"/> Conditions to Avoid _____
Section VI - Health Hazard Data	
Route(s) of Entry:	Inhalation? Yes _____ Skin? Yes _____ Ingestion? Yes _____
Health Hazards (Acute and Chronic)	Harmful if swallowed, inhaled, or absorbed through skin. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes and skin.
Carcinogenicity:	NTP? _____ IARC Monographs? _____ OSHA Regulation? _____
Signs and Symptoms of Exposure	None
Medical Conditions Generally Aggravated by Exposure	None
Emergency First Aid Procedures	Immediately flush eyes or skin w/ copious amounts of water for at least 15 minutes while removing
Section VII - Precautions for Safe Handling and Use	
Steps to be Taken in case Material is Released or Spilled	Evacuate area. Cover with dry lime or soda ash-pick up, keep in a closed container and hold for waste disposal.
Waste Disposal Method	Dispose or mix the material w/ combustible solvent and burn in a chemical incinerator equipped with an afterburner. Ventilate area and wash spill site after material pick up is complete
Precautions to be Taken in Handling and Storing	Observe all federal, state, and local laws.
Other Precautions	Use only in a chemical fume hood.
Section VIII - Control Measures	
Respiratory Protection (Specify Type)	Wear appropriate NIOSH/MSHA approved respirator.
Ventilation	Local Exhaust _____ Mechanical (General) _____ Yes _____ No _____ Special _____ Other _____
Protective Gloves	safety gloves _____ Eye Protection _____ safety goggles _____
Other Protective Clothing or Equipment	Safety shower and eye bath, face shield
Workhygienic Practices	Wash thoroughly after handling, keep tightly closed.