

Material Safety Data Sheet

E.Z.N.A.[®] SQ Blood DNA Kit II



Omega Bio-Tek, Inc.

1850-E Beaver Ridge Circle, Norcross, GA 30071, USA.

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Material Safety Data Sheet

Trade Name: EB Buffer
Date of Issue: 4/12/1998

1. Product and manufacturer information

Product Information:

Trade Name: EB Buffer
Manufacturer: Omega Bio-Tek, Inc.
1850-E Beaver Ridge Circle, Norcross, GA 30071
Tel: (770) 931.8400. Fax: (770) 931.0230.

2. Composition:

Chemical Characteristics: Aqueous solution of Tris (hydroxymethyl) amino methane/ Hydrochloric acid.
Hazardous components: According to OSHR 29 CFR & 1910.1200, any mixture that contains less than 1% by weight or volume of a non-carcinogenic hazardous component is not considered hazardous, unless there is evidence to the contrary. We do not consider EB Buffer to be hazardous. However gloves, lab coats and protective eyewear are recommended when using any chemical reagents.

3. Hazardous Identification:

May be harmful if swallowed. May be irritating to eyes and skin.

4. First Aid: remove contaminated clothing and call physician.

In case of eye contact: Immediately flush eyes with large amounts of water for at least 20 minutes. Adequate flushing is achieved by separating eyelids with clean fingers.
In case of skin contact: Immediately wash skin with soap and copious amounts of water.
If inhaled: Remove to an area with fresh air. Give artificial respiration if not breathing and call medical emergency services. Oxygen may be required if respiration is difficult. Immediately call a doctor.
If swallowed: Wash out mouth with water only if conscious.

5. Fire-Fighting Measures

Extinguishing media: Use appropriate, non-combustible extinguishing media.
Special Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with eyes and skin.

6. Accidental Release Measures:

Precautionary Measures: Wear self-contained breathing apparatus, protective eyewear, goggles, rubber boots and thick rubber gloves.

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Clean-up Procedure: Absorb on vermiculite or sand. Place in closed containers for disposal. Use non-sparking tools. Finally ventilate area and wash spills when pick-up is complete.

7. Handling and Storage:

Storage: Store tightly at 22-25°C

8. Exposure Controls:

Rubber gloves, protective eyewear, NIOSH/MSH A-approved respirator, Safety shower and eye wash bottle. Mechanical exhaust required. Wash hands thoroughly after handling. Do not get into eyes, on skin or on clothing.

9. Physical and Chemical Properties:

Physical State:	liquid	
Color:	colorless	
Odor:	odorless	
pH:	(25°C)	7.5
Viscosity:	(25°C)	N/A
Melting Point:		N/A
Boiling Point:		N/A
Ignition Temp:		N/A
Flashpoint:		N/A
Explosion Level:	Lower:	N/A
	Upper:	N/A
Vapor Pressure:	(25°C)	N/A
Specific Gravity:	(25°C)	1.010 g/cm ³
Water Solubility:	(25°C)	Soluble

10. Stability and Reactivity:

Substances to avoid: N/A

Hazardous combustion or decomposition products: Nature of decomposition products are not known.

Material Safety Data Sheet

Trade Name: EB Buffer

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11. Toxicological Data:

Toxicity Data	N/A
Acute Effects of	
Inhalation:	May be harmful by inhalation.
Eye Contact:	May causes irritation.
Skin Contact:	May causes irritation.
Ingestion:	May be harmful if swallowed.
Prolonged exposure:	N/A
Chronic Effects:	N/A
RTECS Numbers:	N/A
Additional Information:	Handle with normal caution accorded to chemicals. Other harmful Properties cannot be ruled out.

12. Ecological Data:

This product present no specific danger to the environment.

13. Disposal:

For small quantities flush down sink with water. Make sure to observe all federal, state and local laws and requirements.

14. Transport Data:

N/A

15. Regulatory Data:

N/A/

16. Other Data:

The above information is believed to be correct but does not purport to be all-inclusive and should be used only as a guide. Omega Bio-Tek shall not be held liable for consequences resulting from handling or from contact with the above product.

Material Safety Data Sheet

Trade Name: NL Buffer

Date of Issue: 11/08/2007

1. Product and manufacturer information

Product Information:

Trade Name:

NL Buffer

Manufacturer:

Omega Bio-Tek, Inc.

1850-E Beaver Ridge Circle, Norcross, GA 30071

Tel: (770) 931.8400. Fax: (770) 931.0230.

2. Composition:

Chemical Characteristics:

Aqueous solution of t-Octophenoxypolyethoxyethanol (1.0 – 2.5%)

Hazardous Components:

t-Octophenoxypolyethoxyethanol

3. Hazardous Identification:

N/A

Classification system:

The classification was made according to the latest edition of international substances list, and depend upon from company and literature data.

4. First Aid: Supply fresh air and call physician if required.

In case of eye contact:

Immediately flush eyes with large amounts of water for at least 20 minutes adequate flushing is achieved by separating eyelids with clean fingers.

In case of skin contact:

Immediately wash skin with soap and copious amounts of water.

If inhaled:

Remove to an area with fresh air. Give artificial respiration if not Breathing and call medical emergency services. Oxygen may be required if respiration is difficult.

If swallowed:

Call a Physician immediately.

5. Fire-Fighting Measures

Extinguishing media:

Use appropriate non-combustible extinguishing media.

Special Procedure:

Wear self-contained breathing apparatus and protective clothing to prevent contact with eyes and skin. Use water spray to cool fire-exposed containers. Do not inhale gases.

6. Accidental Release Measures:

Precautionary Measures:

Shut off all sources of ignition. Evacuate area. Wear self-contained breathing apparatus, protective eyewear/goggles, rubber boots and thick rubber gloves.

Clean-up Procedure:

Absorb on vermiculite or sand. Place in closed containers for disposal. Use non-sparking tools. Finally ventilate area and wash spills when pick-up is complete.

7. Handling and Storage:

Storage:

Store tightly closed at 22-25°C.

8. Exposure Controls:

Rubber gloves, protective eyewear, NIOSH/MSH A-approved respirator, Safety shower and eye wash bottle. Wash hands thoroughly after handling. Do not get into eyes, on skin or on clothing. Do not breathe vapor. Severe eye irritant. Keep well away from heat sparks and open fire. Store in cool dry place.

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Trade Name: NL Buffer
Date of Issue: 11/08/2007

9. Physical and Chemical Properties:

Physical State:	liquid	
Color:	colorless	
Odor:	odorless	
pH:	(25°C)	7.0
Viscosity:	(25°C)	N/A
Melting Point:		N/A
Boiling Point:		N/A
Ignition Temp:		N/A
Flashpoint:		>60°C
Explosion Level:	Lower:	N/A
	Upper:	N/A
Vapor Pressure:	(25°C)	17mm Hg
Specific Gravity:	(25°C)	N/A
Water Solubility:	(25°C)	Soluble

10. Stability and Reactivity:

Substances to avoid:	Strong acids, alkalis and strong oxidants
Hazardous combustion or Decomposition products:	Danger of toxic pyrolysis.

11. Toxicological Data:

Toxicity Data	N/A
Acute Effects of:	
Inhalation:	May be harmful by inhalation. Material is disruptive to mucous membranes and upper respiratory tract.
Eye Contact:	Causes severe irritation.
Skin Contact:	Causes skin irritation. Harmful by skin absorption
Ingestion:	Harmful if swallowed.
Prolonged exposure:	Exposure to skin causes dermatitis.
Chronic Effects:	N/A
RTECS Numbers:	N/A

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Trade Name: NL Buffer
Date of Issue: 11/08/2007

Additional Information:

Handle with normal caution accorded to chemicals. Other harmful properties cannot be ruled out.

12. Ecological Data:

This product presents no specific danger to the environment.

13. Disposal:

Contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste. Contaminated packaging should be led in the same manner as the substance itself. Unless specified directly, non-contaminated packaging may be treated as house hold waste. Dispose in accordance with all applicable federal, state and local regulations

14. Transport Data:

N/A

15. Regulatory Data:

N/A

16. Other Data:

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Material Safety Data Sheet

Trade Name: Proteinase K

Date of Issue: 9/12/2005

1. Product and manufacturer information

Product Information:

Trade Name: Proteinase K
Manufacturer: Omega Bio-Tek, Inc.
1850-E Beaver Ridge Circle, Norcross, GA 30071
Tel: (770) 931.8400. Fax: (770) 931.0230.

2. Composition:

Chemical Characteristics: Proteinase
254-457-8 Proteinase

3. Hazardous Identification:

Hazard Description: Harmful, May cause sensitization by inhalation and skin contact.

Classification System:

NFPA Ratings (Scale 0-4): Health = 1; Fire = 0; Reactivity = 0

WHMIS Ratings (Scale 0-4): Health = 1; Fire = 0; Reactivity = 0

4. First Aid: remove contaminated clothing and call physician.

In case of eye contact: Immediately flush eyes with large amounts of water for at least 20 minutes.

Adequate flushing is achieved by separating eyelids with clean fingers.

In case of skin contact: Immediately wash skin with soap and copious amounts of water then consult a doctor.

If inhaled: Remove to an area with fresh air. Consult doctor if necessary.

If swallowed: Call doctor immediately.

5. Fire-Fighting Measures

Extinguishing media: Carbon dioxide, dry chemical powder or appropriate foam.

Special Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with eyes and skin.

6. Accidental Release Measures:

Precautionary Measures: No Special measure required.

Clean-up Procedure: Pick up mechanically.

Material Safety Data Sheet

Trade Name: Proteinase K

Date of Issue: 9/12/2005

7. Handling and Storage:

Storage: No special measure required.

8. Exposure Controls:

Rubber gloves, protective eyewear, NIOSH/MSH A-approved respirator, Safety shower and eye wash bottle. Wash hands thoroughly after handling. Do not get into eyes, on skin or on clothing. Do not breathe vapor, Sever eye irritant. Keep well away from heat, spark and open flame. Store in cool dry place.

9. Physical and Chemical Properties:

Physical State:	solid	
Color:	white	
Odor:	characteristic	
pH:	(25°C)	N/A
Viscosity:	(25°C)	N/A
Melting Point:		N/A
Boiling Point:		N/A
Ignition Temp:		N/A
Flashpoint:		>70°C
Explosion Level:	Lower:	N/A
	Upper:	N/A
Vapor Pressure:	(25°C)	N/A
Specific Gravity:	(25°C)	N/A
Water Solubility:	(25°C)	Soluble

10. Stability and Reactivity:

Substances to avoid:	None
Hazardous combustion or Decomposition products:	None

11. Toxicological Data:

Toxicity Data	N/A
Acute Effects of:	N/A

Material Safety Data Sheet

Trade Name: Proteinase K

Date of Issue: 9/12/2005

Inhalation:	Irritating
Eye Contact:	Irritating
Skin Contact:	Irritating
Ingestion:	N/A
Prolonged exposure:	N/A
Chronic Effects:	N/A
RTECS Numbers:	N/A
Additional Information:	Handle with normal caution accorded to chemicals. Other harmful Properties cannot be rules out.

12. Ecological Data:

N/A

13. Disposal:

No special method required. Observe all federal, state and local laws.

14. Transport Data:

N/A

15. Regulatory Data:

N/A

16. Other Data:

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Material Safety Data Sheet

Trade Name: XL Buffer
Date of Issue: 11/08/2007

1. Product and manufacturer information

Product Information:

Trade Name: XL Buffer
Manufacturer: Omega Bio-Tek, Inc.
1850-E Beaver Ridge Circle, Norcross, GA 30071
Tel: (770) 931.8400. Fax: (770) 931.0230.

2. Composition:

Chemical Characteristics: Aqueous solution of Guanidine Chloride.
Hazardous Components: 50-01-1 Guanidine Chloride (25-50%)

3. Hazardous Identification:

Hazardous Description: Harmful if swallowed, irritating to eyes and skin.
NFPA Ratings: (Scale: 0-4) Health =2; Fire = 0; Reactivity = 0
WHMIS Ratings: (Scale 0-4) Health =2; Fire = 0; Reactivity = 0

4. First Aid: Remove contaminated clothing and call physician.

In case of eye contact: Immediately flush eyes with large amounts of water for at least 20 minutes adequate flushing is achieved by separating eyelids with clean fingers.

In case of skin contact: Immediately wash skin with soap and copious amounts of water.

If inhaled: Remove to an area with fresh air. Give artificial respiration if not Breathing and call medical emergency services. Oxygen may be required if respiration is difficult.

If swallowed: Wash out mouth with water only if conscious.

5. Fire-Fighting Measures

Extinguishing media: CO₂, extinguishing power or water spray.
Special Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with eyes and skin.

Material Safety Data Sheet

Trade Name: XL Buffer
Date of Issue: 11/08/2007

6. Accidental Release Measures:

Precautionary Measures: Wear self-contained breathing apparatus, protective eyewear/goggles, rubber boots and thick rubber gloves.

Clean-up Procedure: Absorb on vermiculite or sand. Place in closed containers for disposal. Finally ventilate area and wash spills when pick-up is complete.

7. Handling and Storage:

Storage: Store tightly closed at 22-25°C.

8. Exposure Controls:

Rubber gloves, protective eyewear, NIOSH/MSH A-approved respirator, Safety shower and eye wash bottle. Wash hands thoroughly after handling. Do not get into eyes, on skin or on clothing.

9. Physical and Chemical Properties:

Physical State:	liquid	
Color:	colorless	
Odor:	odorless	
pH:	(25°C)	7.5
Viscosity:	(25°C)	N/A
Melting Point:		N/A
Boiling Point:		N/A
Ignition Temp:		N/A
Flashpoint:		N/A
Explosion Level:	Lower:	N/A
	Upper:	N/A
Vapor Pressure:	(25°C)	23 hPa
Specific Gravity:	(25°C)	1.18 g/cm ³
Water Solubility:	(25°C)	Soluble

10. Stability and Reactivity:

Substances to avoid: Acid, Alkaline and oxidizing agents.

Hazardous combustion or Decomposition products: Nature of decomposition products not known.

Material Safety Data Sheet

Trade Name: XL Buffer
Date of Issue: 11/08/2007

11. Toxicological Data:

Toxicity Data	N/A
Acute Effects of:	
Inhalation:	Harmful by inhalation.
Eye Contact:	May causes irritation.
Skin Contact:	May cause skin irritation.
Ingestion:	Harmful if swallowed.
Prolonged exposure:	N/A
Chronic Effects:	N/A
RTECS Numbers:	N/A

12. Ecological Data:

Water Hazardous I: Slight hazardous to water, do not allow undiluted product or large quantity of it to reach ground water course or sewage system.

13. Disposal:

For small quantities flush down sink with water. Make sure to observe all Federal, State and local laws and requirements.

14. Transport Data:

N/A

15. Regulatory Data:

N/A

16. Other Data:

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