

Trade Name: BB Buffer

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product Name: BB Buffer

Manufacturer or Supplier Details

Company Name: Omni International
Address: 935-C Cobb Place Blvd.
Kennesaw, GA 30144, USA
Telephone: 1-800-776-4431
Email: sales@omni-inc.com
Emergency Telephone: If medical emergency, call 911.

Contact your local Poison Control Center.

Recommended Use of the Chemical and Restrictions on Use:

Recommended Use: For research use only.

2. HAZARD IDENTIFICATION

Hazard Classification:

Health Hazards:	Acute toxicity (oral)	Category 4
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Specific target organ toxicity – single exposure	Category 3

GHS Label Element:

Hazard Symbol:



Signal word:

Warning

Trade Name: BB Buffer

Hazard Statements:

H302 - Harmful if swallowed.
H315 - Causes skin irritation.
H319 - Causes serious skin irritation.
H332 - Harmful if inhaled.

Precautionary Statements:

P261 - Avoid breathing dust/fumes/gas/mist/vapors/spray.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P311 - Call a poison control center or doctor/physician.

Potential Health Effects:

Aggravated Medical Conditions:

May cause nervous system disturbances.

Symptoms of Overexposure:

N/A

Inhalation:

Toxic if inhaled. May cause respiratory tract irritation

Skin:

Harmful if absorbed through skin. May cause skin irritation.

Eyes:

Causes eye irritation.

Ingestion:

Harmful if swallowed.

Carcinogenicity:

IARC

No component of this product that is present at 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH

No component of this product that is present at 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.

NTP

No component of this product that is present at 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.

OSHA

No component of this product that is present at 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.

Trade Name: BB Buffer

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance or Mixture: Mixture of the substances listed below with non-hazardous additions.

Synonyms/Common Names Guanidinium chloride, Guanidinium monohydrochloride, Guanidinium hydrochloride

Chemical Name	CAS No.	Concentration (%)
Guanidine Hydrochloride CH ₆ CIN ₃	50-01-1	50-100%

4. FIRST AID MEASURES

General Advice: Exit to a safe area. Consult a physician. Seek medical attention.

If Inhaled: Move to fresh air. If not breathing, give artificial respiration. Seek medical attention.

In Case of Skin Contact: Exit to safe area. Wash thoroughly with soap and water. Seek medical attention

In Case of Eye Contact: Flush eyes with clean water for a minimum of 15 minutes, keeping eyes open. Seek medical attention.

If Swallowed: Rinse mouth with water. Never give anything by mouth to an unconscious person. Seek medical attention.

Most Important Symptoms, and Effects, Acute and Delayed: Irritating to eyes, respiratory system and skin. Narcotic effect.

Recommendations for Immediate Medical Attention and Special Treatment: Treat symptomatically. Symptoms may be delayed.

5. FIREFIGHTING MEASURES

Trade Name: BB Buffer

Conditions of Flammability:

Not flammable or combustible.

Suitable Extinguishing Media:

Dry powder, CO₂, water spray or regular foam.

Special Protective Equipment for Firefighters:

Wear self-contained breathing apparatus, if necessary.

Hazardous Combustion Products:

Carbon oxides (CO, CO₂), nitrogen oxides (NO_x), hydrogen chloride gas.

Further Information:

Prevent firefighting water from entering surface water or groundwater.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. See Section 8: Exposure Controls/Personal Protection for more details.

Environmental Precautions:

Prevent further leakage if area is safe. Do not let product enter drains. Avoid discharge into the environment.

Emergency Procedures:

Evacuate personnel to safe areas and follow emergency response protocols.

Methods and Materials for Containment and Cleaning Up:

Use inert absorbent material to soak up spill. Dispose of hazardous waste. Do not flush with water.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Handle in accordance with good chemical hygiene and safety practices. Protect from moisture. Avoid contact with eyes, skin and clothing. Avoid inhalation of vapors or mist.

Conditions for Safe Storage:

Keep container tightly closed in a dry, well-ventilated place.

Incompatible Products:

Strong oxidizing agents.

8. EXPOURE CONTROLS/PERSONAL PROTECTION

Appropriate Engineering Controls: Adequate ventilation and access to eye washing stations are required.

Trade Name: BB Buffer

Recommendations for Personal Protective Measures:

- Hand Protection:** Use gloves when handling this product. Inspect gloves prior to use for any visible damage. Use proper glove removal technique to prevent contact with skin. Dispose of gloves in accordance with applicable laws. Wash and dry hands after use.
- Eye Protection:** Use a face shield and/or safety goggles when handling this product. Use eyewear that has been approved by NIOSH.
- Skin and Body Protection:** Wear appropriate laboratory attire when handling this product, such as gloves, long pants, closed-toe shoes and a laboratory coat.
- Respiratory Protection:** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be used.
- Hygiene Measures:** Avoid contact with eyes, skin and clothing. Wash hands thoroughly after using this product. Do not eat, drink or smoke when handling this product.

Special Requirements for Personal Protective Equipment, Protective Clothing, Respirators, etc:

N/A

Components with Workplace Control Parameters:

N/A

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form
Color

Liquid
Yellow

Odor

No data available

Odor Threshold

No data available

pH

3.0-5.0

Melting Point/Freezing Point

No data available

Trade Name: BB Buffer

Boiling Point	No data available
Flash Point	No data available
Evaporation Rate	No data available
Flammability (Solid, Gas):	No data available
Upper/Lower Limits on Flammability and Explosive Limits:	
Flammability Limit (Upper):	No data available
Flammability Limit (Lower):	No data available
Explosive Limit (Upper):	No data available
Explosive Limit (Lower):	No data available

Vapor Pressure:	No data available
Vapor Density:	No data available
Relative Density:	No data available
Solubility:	
Solubility in Water:	No data available
Solubility (Other):	No data available
Partition coefficient (n-octanol/water)	No data available
Auto-Ignition Temperature:	No data available
Decomposition Temperature:	No data available
Viscosity:	No data available

10. STABILITY AND REACTIVITY

Reactivity:	No dangerous reactions known under conditions of normal use.
Chemical Stability:	Stable under recommended storage conditions.
Possibility of Hazardous Reactions:	Hazardous polymerization does not occur.
Conditions to Avoid:	Contact with incompatible materials, excessive heat.
Materials to Avoid:	Strong oxidizing agents, strong acids, inorganic salts, chlorinated compounds.
Hazardous Decomposition Products:	Carbon oxides, nitrogen oxides (NO _x), hydrogen chloride gas.

Trade Name: BB Buffer

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure:

Inhalation:	Harmful if inhaled. May cause respiratory tract irritation.
Ingestion:	Harmful if swallowed.
Skin:	Causes skin irritation.
Eyes:	Causes serious eye irritation.

Information on Toxicological Effects:

Acute Toxicity:

Oral LD50:	1,900 mg/kg (Rat)
Inhalation LC50:	No data available
Dermal LD50:	2,000 mg/kg (Rabbit)
Other Information:	No data available.

Skin Corrosion/Irritation:	Causes skin irritation.
Serious Eye Damage/Irritation:	Causes serious eye irritation.
Respiratory or Skin Sensitization:	Components of this product may be absorbed into the body through the skin. Irritating to skin and mucus membranes.
Germ Cell Mutagenicity:	No mutagenic components identified.

Carcinogenicity:

IARC	No component of this product that is present at 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH	No component of this product that is present at 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.
NTP	No component of this product that is present at 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.
OSHA	No component of this product that is present at 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.

Trade Name: BB Buffer

Reproductive Toxicity:	No component toxic to reproduction.
Teratogenicity:	No data available.
Specific Target Organ Toxicity – Single Exposure:	Respiratory tract irritation.
Specific Target Organ Toxicity – Repeated Exposure:	No data available.
Aspiration Hazard:	No data available.
Signs and Symptoms of Exposure:	Irritating to eyes, respiratory system and skin. Narcotic effect.
Synergistic Effects:	No data available.
Additional Information:	None known.

12. ECOLOGICAL INFORMATION

Toxicity	No data available.
Persistence and Degradability	No data available.
Bioacumulative Potential	No data available.
Mobility in Soil	Product is water soluble and may spread in water systems.
PBT and vPvB Assessment	No data available.
Other Adverse Effects	The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

13. DISPOSAL CONSIDERATIONS

Product	Disposal should be in accordance with applicable regional, national and local laws and regulations. S29 - Do not empty into drains. S57 - Use appropriate container to avoid environmental contamination. Refer to Section 7: Handling and Storage and Section 8: Exposure Control/Personal Protection for additional handling information and protection of employees.
Contaminated Packaging	Disposal must be made according to official regulations.

Trade Name: BB Buffer

To minimize exposure, please refer to Section 8: Exposure Control/Personal Protection of this SDS.

14. TRANSPORT INFORMATION

DOT:	Not regulated
IMDG:	Not regulated
IATA:	Not regulated

15. REGULATORY INFORMATION

US Federal Regulations:

SARA 302 Components:	None present or none present in regulated quantities.
SARA 313 Components:	None present or none present in regulated quantities.
SARA 311/312 Hazards:	Acute health hazard, chronic health hazard.
OSHA Hazards:	
Aggravated Medical Conditions:	May cause nervous system disturbances.
Symptoms of Overexposure:	N/A
Inhalation:	Toxic if inhaled. May cause respiratory tract irritation.
Skin:	Harmful if absorbed through skin. May cause skin irritation.
Eyes:	Causes eye irritation.
Ingestion:	Harmful if swallowed.

US State Regulations:

California Prop. 65:	No ingredient regulated by CA Prop 65 present.
Massachusetts RTK	No ingredient regulated by MA Right to Know Act present.
New Jersey & Community RTK:	No ingredient regulated by NJ Right to Know Act present.
Pennsylvania RTK:	No ingredient regulated by PA Right to Know Act present.
Rhode Island RTK:	No ingredient regulated by RI Right to Know Act present.

Trade Name: BB Buffer

16. OTHER INFORMATION

Issue Date:	11/11/2015
Revision Date:	03/13/2019
Version:	2.0
Further Information:	No data available.
Disclaimer:	The above information is believed to be correct but does not claim to be all inclusive. This document shall be used only as a guide. All materials and mixtures may be present unknown hazards and should be used with caution. Omni International shall not be held liable for any damage resulting from handling or from contact with the above product.

Trade Name: CTB Buffer

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product Name: CTB Buffer

Manufacturer or Supplier Details

Company Name:	Omni International
Address:	935-C Cobb Place Blvd. Kennesaw, GA 30144, USA
Telephone:	1-800-776-4431
Email:	sales@omni-inc.com
Emergency Telephone:	If medical emergency, call 911.

Contact your local Poison Control Center.

Recommended Use of the Chemical and Restrictions on Use:

Recommended Use:	For research use only.
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2. HAZARD IDENTIFICATION

Hazard Classification

Health Hazards:	No known OSHA Hazards
	Not a dangerous substance according GHS

GHS Label Element:

Hazard Symbol:	N/A
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Hazard Statements:	Not a hazardous substance or mixture.
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3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance or Mixture:	Mixture of non-hazardous substances.
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Trade Name: CTB Buffer

Synonyms or Common Names: N/A

4. FIRST AID MEASURES

General Advice: Wear protective gloves/protective clothing/eye protection/face protection

If Inhaled: If not breathing give artificial respiration

In Case of Skin Contact: Wash with soap and water.

In Case of Eye Contact: Remove contact lenses, if present and easy to do. Continue rinsing.

If Swallowed: N/A

Most Important Symptoms, and Effects, Acute and Delayed: N/A

Recommendations for Immediate Medical Attention and Special Treatment: Treat symptomatically. Symptoms may be delayed.

5. FIREFIGHTING MEASURES

Conditions of Flammability: Not flammable or combustible

Suitable Extinguishing Media: Dry powder, CO₂, water spray or regular foam.

Special Protective Equipment for Firefighters: Wear self-contained breathing apparatus, if necessary.

Hazardous Combustion Products: N/A

Further Information: Prevent Firefighting water from entering surface water or groundwater

Trade Name: CTB Buffer

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid inhalation of vapors or mist. See Section 8: Exposure Controls/ Personal Protection for more information.
Environmental Precautions:	N/A
Emergency Procedures:	Evacuate personnel to safe areas and follow emergency response protocols.
Methods and Materials for Containment and Cleaning Up:	Use inert absorbent material to soak up spill.

7. HANDLING AND STORAGE

Precautions for Safe Handling:	Handle in accordance with good chemical hygiene and safety practices. Protect from moisture. Avoid contact with eyes, skin and clothing. Avoid inhalation of vapors or mist.
Conditions for Safe Storage:	Keep container tightly closed in a dry, well-ventilated place.
Incompatible Products:	N/A

8. EXPOURE CONTROLS/PERSONAL PROTECTION

Appropriate Engineering Controls: Adequate ventilation and access to eye washing stations are required.

Recommendations for Personal Protective Measures:

Hand Protection:	Use gloves when handling this product. Inspect gloves prior to use for any visible damage. Use proper glove removal technique to prevent contact with skin. Dispose of gloves in accordance with applicable laws. Wash and dry hands after use.
Eye Protection:	Use a face shield and/or safety goggles when handling this product. Use eyewear that has been approved by NIOSH.

Trade Name: CTB Buffer

Skin and Body Protection: Wear appropriate laboratory attire when handling this product, such as gloves, long pants, closed-toe shoes and a laboratory coat.

Respiratory Protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be used

Hygiene Measures: Avoid contact with eyes, skin and clothing. Wash hands thoroughly after using this product. Do not eat, drink or smoke when handling this product.

Special Requirements for Personal Protective Equipment, Protective Clothing, Respirators, etc:

N/A

Components with Workplace Control Parameters:

N/A

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form

Liquid

Color

Colorless

Odor

No data available

Odor Threshold

No data available

pH

7.0-9.0

Melting Point/Freezing Point

No data available

Boiling Point

No data available

Flash Point

No data available

Evaporation Rate

No data available

Flammability (Solid, Gas):

No data available

Upper/Lower Limits on Flammability and Explosive Limits:

Flammability Limit (Upper): No data available

Flammability Limit (Lower): No data available

Explosive Limit (Upper): No data available

Explosive Limit (Lower): No data available

Trade Name: CTB Buffer

Vapor Pressure:	No data available
Vapor Density:	No data available
Relative Density:	No data available
Solubility:	
Solubility in Water:	No data available
Solubility (Other):	No data available
Partition coefficient (n-octanol/water)	No data available
Auto-Ignition Temperature:	No data available
Decomposition Temperature:	No data available
Viscosity:	No data available

10. STABILITY AND REACTIVITY

Reactivity:	No dangerous reactions known under conditions of normal use.
Chemical Stability:	Stable under recommended storage conditions.
Possibility of Hazardous Reactions:	N/A
Conditions to Avoid:	N/A
Materials to Avoid:	N/A
Hazardous Decomposition Products:	N/A

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure:

Inhalation:	No data available
Ingestion:	No data available
Skin:	No data available
Eyes:	No data available

Information on Toxicological Effects:

Acute Toxicity:

Oral LD50:	No data available
Inhalation LC50:	No data available
Dermal LD50:	No data available

Trade Name: CTB Buffer

Other Information:	No data available
Skin Corrosion/Irritation:	No data available
Serious Eye Damage/Irritation:	No data available
Respiratory or Skin Sensitization:	No data available
Germ Cell Mutagenicity:	No data available

Carcinogenicity:

IARC	No component of this product that is present at 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH	No component of this product that is present at 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.
NTP	No component of this product that is present at 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.
OSHA	No component of this product that is present at 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.

Reproductive Toxicity:	No data available
Teratogenicity:	No data available
Specific Target Organ Toxicity – Single Exposure:	No data available
Specific Target Organ Toxicity – Repeated Exposure:	No data available
Aspiration Hazard:	No data available
Signs and Symptoms of Exposure:	No data available
Synergistic Effects:	No data available
Additional Information:	No data available

12. ECOLOGICAL INFORMATION

Toxicity	No data available
Persistence and Degradability	No data available
Bioaccumulative Potential	No data available
Mobility in Soil	No data available
PBT and vPvB Assessment	No data available

Trade Name: CTB Buffer

Other Adverse Effects

No data available

13. DISPOSAL CONSIDERATIONS

Product

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: Handling and Storage and Section 8: Exposure Control/Personal Protection for additional handling information and protection of employees.

Contaminated Packaging

Disposal must be made according to official regulations

14. TRANSPORT INFORMATION

DOT:

Not regulated

IMDG:

Not regulated

IATA:

Not regulated

15. REGULATORY INFORMATION

US Federal Regulations:

SARA 302 Components:

None present or none present in regulated quantities.

SARA 313 Components:

None present or none present in regulated quantities.

SARA 311/312 Hazards:

No data available.

US State Regulations:

California Prop. 65:

No ingredient regulated by CA Prop 65 present.

Massachusetts RTK

No ingredient regulated by MA Right to Know Act present.

New Jersey & Community RTK:

Water CAS No. 7732-18-5

Pennsylvania RTK:

Water CAS No. 7732-18-5

Rhode Island RTK:

No ingredient regulated by RI Right to Know Act present.

Trade Name: CTB Buffer

16. OTHER INFORMATION

Issue Date:	03/13/2019
Revision Date:	N/A
Version:	1.0
Further Information:	No data available.
Disclaimer:	The above information is believed to be correct but does not claim to be all inclusive. This document shall be used only as a guide. All materials and mixtures may be present unknown hazards and should be used with caution. Omni International shall not be held liable for any damage resulting from handling or from contact with the above product.

Trade Name: DW Buffer

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product Name: DW Buffer

Manufacturer or Supplier Details

Company Name:	Omni International
Address:	935-C Cobb Place Blvd. Kennesaw, GA 30144, USA
Telephone:	1-800-776-4431
Email:	sales@omni-inc.com
Emergency Telephone:	If medical emergency, call 911.

Contact your local Poison Control Center.

Recommended Use of the Chemical and Restrictions on Use:

Recommended Use:	For research use only.
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2. HAZARD IDENTIFICATION

Hazard Classification

Health Hazards:	No known OSHA Hazards
	Not a dangerous substance according GHS

GHS Label Element:

Hazard Symbol:	N/A
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Hazard Statements:	Not a hazardous substance or mixture.
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3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance or Mixture:	Mixture of non-hazardous substances.
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Trade Name: DW Buffer

Synonyms or Common Names: N/A

4. FIRST AID MEASURES

General Advice: Wear protective gloves/protective clothing/eye protection/face protection

If Inhaled: If not breathing give artificial respiration

In Case of Skin Contact: Wash with soap and water.

In Case of Eye Contact: Remove contact lenses, if present and easy to do. Continue rinsing.

If Swallowed: N/A

Most Important Symptoms, and Effects, Acute and Delayed: N/A

Recommendations for Immediate Medical Attention and Special Treatment: Treat symptomatically. Symptoms may be delayed.

5. FIREFIGHTING MEASURES

Conditions of Flammability: Not flammable or combustible

Suitable Extinguishing Media: Dry powder, CO₂, water spray or regular foam.

Special Protective Equipment for Firefighters: Wear self-contained breathing apparatus, if necessary.

Hazardous Combustion Products: N/A

Further Information: Prevent Firefighting water from entering surface water or groundwater

Trade Name: DW Buffer

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid inhalation of vapors or mist. See Section 8: Exposure Controls/ Personal Protection for more information.
Environmental Precautions:	N/A
Emergency Procedures:	Evacuate personnel to safe areas and follow emergency response protocols.
Methods and Materials for Containment and Cleaning Up:	Use inert absorbent material to soak up spill.

7. HANDLING AND STORAGE

Precautions for Safe Handling:	Handle in accordance with good chemical hygiene and safety practices. Protect from moisture. Avoid contact with eyes, skin and clothing. Avoid inhalation of vapors or mist.
Conditions for Safe Storage:	Keep container tightly closed in a dry, well-ventilated place.
Incompatible Products:	N/A

8. EXPOURE CONTROLS/PERSONAL PROTECTION

Appropriate Engineering Controls: Adequate ventilation and access to eye washing stations are required.

Recommendations for Personal Protective Measures:

Hand Protection:	Use gloves when handling this product. Inspect gloves prior to use for any visible damage. Use proper glove removal technique to prevent contact with skin. Dispose of gloves in accordance with applicable laws. Wash and dry hands after use.
Eye Protection:	Use a face shield and/or safety goggles when handling this product. Use eyewear that has been approved by NIOSH.

Trade Name: DW Buffer

Skin and Body Protection: Wear appropriate laboratory attire when handling this product, such as gloves, long pants, closed-toe shoes and a laboratory coat.

Respiratory Protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be used

Hygiene Measures: Avoid contact with eyes, skin and clothing. Wash hands thoroughly after using this product. Do not eat, drink or smoke when handling this product.

Special Requirements for Personal Protective Equipment, Protective Clothing, Respirators, etc:

N/A

Components with Workplace Control Parameters:

N/A

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form

Liquid

Color

Colorless

Odor

No data available

Odor Treshhold

No data available

pH

7.0-9.0

Melting Point/Freezing Point

No data available

Boiling Point

No data available

Flash Point

No data available

Evaporation Rate

No data available

Flammability (Solid, Gas):

No data available

Upper/Lower Limits on Flammability and Explosive Limits:

Flammability Limit (Upper): No data available

Flammability Limit (Lower): No data available

Explosive Limit (Upper): No data available

Explosive Limit (Lower): No data available

Trade Name: DW Buffer

Vapor Pressure:	No data available
Vapor Density:	No data available
Relative Density:	No data available
Solubility:	
Solubility in Water:	No data available
Solubility (Other):	No data available
Partition coefficient (n-octanol/water)	No data available
Auto-Ignition Temperature:	No data available
Decomposition Temperature:	No data available
Viscosity:	No data available

10. STABILITY AND REACTIVITY

Reactivity:	No dangerous reactions known under conditions of normal use.
Chemical Stability:	Stable under recommended storage conditions.
Possibility of Hazardous Reactions:	N/A
Conditions to Avoid:	N/A
Materials to Avoid:	N/A
Hazardous Decomposition Products:	N/A

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure:

Inhalation:	No data available
Ingestion:	No data available
Skin:	No data available
Eyes:	No data available

Information on Toxicological Effects:

Acute Toxicity:	
Oral LD50:	No data available

Trade Name: DW Buffer

Inhalation LC50:	No data available
Dermal LD50:	No data available
Other Information:	No data available
 Skin Corrosion/Irritation:	 No data available
Serious Eye Damage/Irritation:	No data available
Respiratory or Skin Sensitization:	No data available
Germ Cell Mutagenicity:	No data available

Carcinogenicity:

IARC	No component of this product that is present at 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH	No component of this product that is present at 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.
NTP	No component of this product that is present at 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.
OSHA	No component of this product that is present at 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.

Reproductive Toxicity:	No data available
Teratogenicity:	No data available
Specific Target Organ Toxicity – Single Exposure:	No data available
Specific Target Organ Toxicity – Repeated Exposure:	No data available
Aspiration Hazard:	No data available
Signs and Symptoms of Exposure:	No data available
Synergistic Effects:	No data available
Additional Information:	No data available

12. ECOLOGICAL INFORMATION

Toxicity	No data available
Persistence and Degradability	No data available
Bioaccumulative Potential	No data available

Trade Name: DW Buffer

Mobility in Soil	No data available
PBT and vPvB Assessment	No data available
Other Adverse Effects	No data available

13. DISPOSAL CONSIDERATIONS

Product	Disposal should be in accordance with applicable regional, national and local laws and regulations. Refer to Section 7: Handling and Storage and Section 8: Exposure Control/Personal Protection for additional handling information and protection of employees.
Contaminated Packaging	Disposal must be made according to official regulations

14. TRANSPORT INFORMATION

DOT:	Not regulated
IMDG:	Not regulated
IATA:	Not regulated

15. REGULATORY INFORMATION

US Federal Regulations:

SARA 302 Components:	None present or none present in regulated quantities.
SARA 313 Components:	None present or none present in regulated quantities.
SARA 311/312 Hazards:	No data available.

US State Regulations:

California Prop. 65:	No ingredient regulated by CA Prop 65 present.
Massachusetts RTK	No ingredient regulated by MA Right to Know Act present.
New Jersey & Community RTK:	Water CAS No. 7732-18-5
Pennsylvania RTK:	Water CAS No. 7732-18-5
Rhode Island RTK:	No ingredient regulated by RI Right to Know Act present.

Trade Name: DW Buffer

16. OTHER INFORMATION

Issue Date: 11/11/2015
Revision Date: 03/13/2019
Version: 2.0
Further Information: No data available.
Disclaimer:

The above information is believed to be correct but does not claim to be all inclusive. This document shall be used only as a guide. All materials and mixtures may be present unknown hazards and should be used with caution. Omni International shall not be held liable for any damage resulting from handling or from contact with the above product.

Trade Name: EB Buffer

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product Name: EB Buffer

Manufacturer or Supplier Details

Company Name:	Omni International
Address:	935-C Cobb Place Blvd. Kennesaw, GA 30144, USA
Telephone:	1-800-776-4431
Email:	sales@omni-inc.com
Emergency Telephone:	If medical emergency, call 911.

Contact your local Poison Control Center.

Recommended Use of the Chemical and Restrictions on Use:

Recommended Use:	For research use only.
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2. HAZARD IDENTIFICATION

Hazard Classification

Health Hazards:	No known OSHA Hazards
	Not a dangerous substance according GHS

GHS Label Element:

Hazard Symbol:	N/A
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Hazard Statements:	Not a hazardous substance or mixture.
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3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance or Mixture:	Mixture of non-hazardous substances.
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Trade Name: EB Buffer

Synonyms or Common Names: N/A

4. FIRST AID MEASURES

General Advice: Wear protective gloves/protective clothing/eye protection/face protection

If Inhaled: If not breathing give artificial respiration

In Case of Skin Contact: Wash with soap and water.

In Case of Eye Contact: Remove contact lenses, if present and easy to do. Continue rinsing.

If Swallowed: N/A

Most Important Symptoms, and Effects, Acute and Delayed: N/A

Recommendations for Immediate Medical Attention and Special Treatment: Treat symptomatically. Symptoms may be delayed.

5. FIREFIGHTING MEASURES

Conditions of Flammability: Not flammable or combustible

Suitable Extinguishing Media: Dry powder, CO₂, water spray or regular foam.

Special Protective Equipment for Firefighters: Wear self-contained breathing apparatus, if necessary.

Hazardous Combustion Products: N/A

Further Information: Prevent Firefighting water from entering surface water or groundwater

Trade Name: EB Buffer

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid inhalation of vapors or mist. See Section 8: Exposure Controls/ Personal Protection for more information.
Environmental Precautions:	N/A
Emergency Procedures:	Evacuate personnel to safe areas and follow emergency response protocols.
Methods and Materials for Containment and Cleaning Up:	Use inert absorbent material to soak up spill.

7. HANDLING AND STORAGE

Precautions for Safe Handling:	Handle in accordance with good chemical hygiene and safety practices. Protect from moisture. Avoid contact with eyes, skin and clothing. Avoid inhalation of vapors or mist.
Conditions for Safe Storage:	Keep container tightly closed in a dry, well-ventilated place.
Incompatible Products:	N/A

8. EXPOURE CONTROLS/PERSONAL PROTECTION

Appropriate Engineering Controls: Adequate ventilation and access to eye washing stations are required.

Recommendations for Personal Protective Measures:

Hand Protection:	Use gloves when handling this product. Inspect gloves prior to use for any visible damage. Use proper glove removal technique to prevent contact with skin. Dispose of gloves in accordance with applicable laws. Wash and dry hands after use.
Eye Protection:	Use a face shield and/or safety goggles when handling this product. Use eyewear that has been approved by NIOSH.

Trade Name: EB Buffer

Skin and Body Protection: Wear appropriate laboratory attire when handling this product, such as gloves, long pants, closed-toe shoes and a laboratory coat.

Respiratory Protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be used

Hygiene Measures: Avoid contact with eyes, skin and clothing. Wash hands thoroughly after using this product. Do not eat, drink or smoke when handling this product.

Special Requirements for Personal Protective Equipment, Protective Clothing, Respirators, etc:

N/A

Components with Workplace Control Parameters:

N/A

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form Liquid
Color Colorless

Odor No data available

Odor Threshold No data available

pH 8.0-9.0

Melting Point/Freezing Point No data available

Boiling Point No data available

Flash Point No data available

Evaporation Rate No data available

Flammability (Solid, Gas): No data available

Upper/Lower Limits on Flammability and Explosive Limits:

Flammability Limit (Upper):	No data available
Flammability Limit (Lower):	No data available
Explosive Limit (Upper):	No data available
Explosive Limit (Lower):	No data available

Trade Name: EB Buffer

Vapor Pressure:	No data available
Vapor Density:	No data available
Relative Density:	No data available
Solubility:	
Solubility in Water:	No data available
Solubility (Other):	No data available
Partition coefficient (n-octanol/water)	No data available
Auto-Ignition Temperature:	No data available
Decomposition Temperature:	No data available
Viscosity:	No data available

10. STABILITY AND REACTIVITY

Reactivity:	No dangerous reactions known under conditions of normal use.
Chemical Stability:	Stable under recommended storage conditions.
Possibility of Hazardous Reactions:	N/A
Conditions to Avoid:	N/A
Materials to Avoid:	N/A
Hazardous Decomposition Products:	N/A

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure:

Inhalation:	No data available
Ingestion:	No data available
Skin:	No data available
Eyes:	No data available

Information on Toxicological Effects:

Acute Toxicity:	
Oral LD50:	No data available

Trade Name: EB Buffer

Inhalation LC50:	No data available
Dermal LD50:	No data available
Other Information:	No data available
Skin Corrosion/Irritation:	No data available
Serious Eye Damage/Irritation:	No data available
Respiratory or Skin Sensitization:	No data available
Germ Cell Mutagenicity:	No data available

Carcinogenicity:

IARC	No component of this product that is present at 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH	No component of this product that is present at 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.
NTP	No component of this product that is present at 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.
OSHA	No component of this product that is present at 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.

Reproductive Toxicity:	No data available
Teratogenicity:	No data available
Specific Target Organ Toxicity – Single Exposure:	No data available
Specific Target Organ Toxicity – Repeated Exposure:	No data available
Aspiration Hazard:	No data available
Signs and Symptoms of Exposure:	No data available
Synergistic Effects:	No data available
Additional Information:	No data available

12. ECOLOGICAL INFORMATION

Toxicity	No data available
Persistence and Degradability	No data available
Bioaccumulative Potential	No data available

Trade Name: EB Buffer

Mobility in Soil	No data available
PBT and vPvB Assessment	No data available
Other Adverse Effects	No data available

13. DISPOSAL CONSIDERATIONS

Product

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: Handling and Storage and Section 8: Exposure Control/Personal Protection for additional handling information and protection of employees.

Contaminated Packaging

Disposal must be made according to official regulations

14. TRANSPORT INFORMATION

DOT:	Not regulated
IMDG:	Not regulated
IATA:	Not regulated

15. REGULATORY INFORMATION

US Federal Regulations:

SARA 302 Components:	None present or none present in regulated quantities.
SARA 313 Components:	None present or none present in regulated quantities.
SARA 311/312 Hazards:	No data available.

US State Regulations:

California Prop. 65:	No ingredient regulated by CA Prop 65 present.
Massachusetts RTK	No ingredient regulated by MA Right to Know Act present.
New Jersey & Community RTK:	Water CAS No. 7732-18-5
Pennsylvania RTK:	Water CAS No. 7732-18-5
Rhode Island RTK:	No ingredient regulated by RI Right to Know Act present.

Trade Name: EB Buffer

16. OTHER INFORMATION

Issue Date:	11/11/2015
Revision Date:	03/13/2019
Version:	2.0
Further Information:	No data available.
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