

Trade Name: DEPC Water

## 1. IDENTIFICATION OF PRODUCT AND COMPANY

**Product Name:** DEPC Water

### 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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<b>Hazard Statements:</b>	Not a hazardous substance or mixture.
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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Substance or Mixture:</b>	Mixture of non-hazardous substances.
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Trade Name: DEPC Water

**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, CO<sub>2</sub>, 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: DEPC Water

## 6. ACCIDENTAL RELEASE MEASURES

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

## 7. HANDLING AND STORAGE

<b>Precautions for Safe Handling:</b>	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.
<b>Conditions for Safe Storage:</b>	Keep container tightly closed in a dry, well-ventilated place.
<b>Incompatible Products:</b>	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:**

<b>Hand Protection:</b>	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.
<b>Eye Protection:</b>	Use a face shield and/or safety goggles when handling this product. Use eyewear that has been approved by NIOSH.

Trade Name: DEPC Water

**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: DEPC Water

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

## 10. STABILITY AND REACTIVITY

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

#### Teratogenicity:

#### Specific Target Organ Toxicity – Single Exposure:

#### Specific Target Organ Toxicity – Repeated

#### Exposure:

#### Aspiration Hazard:

#### Signs and Symptoms of Exposure:

#### Synergistic Effects:

#### Additional Information:

No data available  
No data available  
No data available  
No data available  
No data available  
No data available  
No data available  
No data available  
No data available

## 12. ECOLOGICAL INFORMATION

<b>Toxicity</b>	No data available
<b>Persistence and Degradability</b>	No data available
<b>Bioaccumulative Potential</b>	No data available
<b>Mobility in Soil</b>	No data available
<b>PBT and vPvB Assessment</b>	No data available
<b>Other Adverse Effects</b>	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

<b>DOT:</b>	Not regulated
<b>IMDG:</b>	Not regulated
<b>IATA:</b>	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

Trade Name: DEPC Water

Pennsylvania RTK:  
Rhode Island RTK:

Water CAS No. 7732-18-5  
No ingredient regulated by RI Right to Know Act present.

## 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: Lysozyme

## 1. IDENTIFICATION OF PRODUCT AND COMPANY

**Product Name:** Lysozyme

### 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:

OSHA Hazards:	Not a hazardous substance or mixture
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Health Hazards:	N/A
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### GHS Label Element:

Hazard Symbol:	N/A
Signal word:	N/A
Hazard Statements:	N/A
Precautionary Statements:	N/A

### Potential Health Effects:

Aggravated Medical Conditions:	N/A
Symptoms of Overexposure:	N/A
Inhalation:	N/A

Trade Name: Lysozyme

Skin: N/A  
Eyes: N/A  
Ingestion: N/A

### 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.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance or Mixture:** Mixture of non-hazardous substances.

**Synonyms or Common Names:** Mucopeptide N-acetylmuramoylhydrolase Muramidase

Chemical Name	CAS No.	Concentration (%)
Lysozyme (Chicken egg white)	12650-88-3	95-100%

## 4. FIRST AID MEASURES

**General Advice:** Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.

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

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

Trade Name: Lysozyme

**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, CO<sub>2</sub>, 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

## 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.

Trade Name: Lysozyme

## 7. HANDLING AND STORAGE

<b>Precautions for Safe Handling:</b>	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.
<b>Conditions for Safe Storage:</b>	Keep container tightly closed in a dry, well-ventilated place.
<b>Incompatible Products:</b>	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.
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:**

Trade Name: Lysozyme

N/A

## Components with Workplace Control Parameters:

This product does not contain any substances with occupational exposure limit values.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form

Powder, lyophilized

Color

White to beige

### Odor

No data available

### Odor Threshold

No data available

### pH

No data available

### 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

### 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

Trade Name: Lysozyme

<b>Reactivity:</b>	No dangerous reactions known under conditions of normal use.
<b>Chemical Stability:</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions:</b>	No data available.
<b>Conditions to Avoid:</b>	Excess heat
<b>Materials to Avoid:</b>	No data available
<b>Hazardous Decomposition Products:</b>	No data available

## 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
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

Trade Name: Lysozyme

OSHA

identified as probable, possible or confirmed human carcinogen by NTP.

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:**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

## 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

**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.

Trade Name: Lysozyme

## 14. TRANSPORT INFORMATION

<b>DOT:</b>	Not considered dangerous goods
<b>IMDG:</b>	Not considered dangerous goods
<b>IATA:</b>	Not considered dangerous goods

## 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 SARA hazards
OSHA Hazards:	

Aggravated Medical Conditions:	No data available
Symptoms of Overexposure:	No data available
Inhalation:	No data available
Skin:	No data available
Eyes:	No data available
Ingestion:	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:	<b>Component(s)</b>	<b>CAS-No.</b>
	Lysozyme	12650-88-3
Pennsylvania RTK:	Lysozyme	12650-88-3
Rhode Island RTK:	Lysozyme	12650-88-3



Trade Name: Lysozyme

## 16. OTHER INFORMATION

<b>Issue Date:</b>	11/11/2015
<b>Revision Date:</b>	03/13/2019
<b>Version:</b>	2.0
<b>Further Information:</b>	No data available.
<b>Disclaimer:</b>	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: MRLB Buffer

## 1. IDENTIFICATION OF PRODUCT AND COMPANY

**Product Name:** MRLB 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:

OSHA Hazards:	Harmful by inhalation, harmful by ingestion, harmful in contact with skin
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Health Hazards:	Acute toxicity, inhalation	Category 4
	Acute toxicity, oral	Category 4
	Acute toxicity, dermal	Category 4
	Acute aquatic toxicity	Category 3
	Chronic acute toxicity	Category 3

Trade Name: MRLB Buffer

## GHS Label Element:

Hazard Symbol:

Signal word:



Warning

## Hazard Statements:

H412 – Harmful to aquatic life with long lasting effects.

H302 - Harmful if swallowed.

H312 - Harmful in contact with skin.

H332 - Harmful if inhaled.

## Precautionary Statements:

P261 - Avoid breathing dust/fumes/gas/mist/vapors/spray.

P311 - Call a POISON CENTER or doctor/physician. P280 -

Wear protective gloves/protective clothing/eye protection/face protection.

P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/ physician.

P304 + P340 - IF INHALED: Remove person to fresh air and keep in a position comfortable for breathing.

## 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.

Trade Name: MRLB Buffer

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.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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

**Synonyms/Common Names** Guanidinium thiocyanate, Guanidinium rhodanide, Guanidinium isothiocyanate, Guanidine isothiocyanate

Chemical Name	CAS No.	Concentration (%)
Guanidine thiocyanate CH <sub>5</sub> N <sub>3</sub> . CHNS	593-84-0	25-50%

### 4. FIRST AID MEASURES

<b>General Advice:</b>	Exit to a safe area. Consult a physician. Seek medical attention.
<b>If Inhaled:</b>	Move to fresh air. If not breathing, give artificial respiration. Seek medical attention.
<b>In Case of Skin Contact:</b>	Exit to safe area. Wash thoroughly with soap and water. Seek medical attention
<b>In Case of Eye Contact:</b>	Flush eyes with clean water for a minimum of 15 minutes, keeping eyes open. Seek medical attention.
<b>If Swallowed:</b>	Rinse mouth with water. Never give anything by mouth to an unconscious person. Seek medical attention.
<b>Most Important Symptoms and Effects, Acute, and Delayed:</b>	May cause pain, irritation or redness, and watering of eyes.

Trade Name: MRLB Buffer

**Recommendations for Immediate Medical Attention and Special Treatment:** N/A

## 5. FIREFIGHTING MEASURES

**Conditions of Flammability:** Not flammable or combustible.

**Suitable Extinguishing Media:** Dry powder, CO<sub>2</sub>, water spray or regular foam.

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

**Hazardous Combustion Products:** Carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO<sub>x</sub>), sulfur oxides (SO<sub>x</sub>).

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

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear respiratory protection when ventilation is inadequate. 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.

Trade Name: MRLB Buffer

**Conditions for Safe Storage:** Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from light and moisture. Do not store near acids.

**Incompatible Products:** Strong oxidizing agents.

## 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.

**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

Trade Name: MRLB Buffer

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form

Liquid

Color

Colorless

### Odor

No data available

### Odor Threshold

No data available

### pH

5.0-7.0

### 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

### 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:

No data available.

### Conditions to Avoid:

Heating, flames, sparks.

Trade Name: MRLB Buffer

**Materials to Avoid:**

Strong oxidizing agents, strong acids, inorganic salts, chlorinated compounds.

**Hazardous Decomposition Products:**

Carbon oxides (COx), sulfur oxides (SOx), nitrogen oxides (NOx).

## 11. TOXICOLOGICAL INFORMATION

**Information on Likely Routes of Exposure:**

Inhalation:

Harmful if inhaled. May cause respiratory tract irritation.

Ingestion:

Harmful if swallowed.

Skin:

Harmful if absorbed through skin. May cause skin irritation.

Eyes:

May cause eye irritation.

**Information on Toxicological Effects:**

**Acute Toxicity:**

Oral LD50:

593 mg/kg (Rat)

Inhalation LC50:

No data available

Dermal LD50:

No data available.

Other Information:

Peritoneal LD50: 300 mg/kg (Mouse).

Skin Corrosion/Irritation:

No data available

Serious Eye Damage/Irritation:

No data available

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 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



Trade Name: MRLB Buffer

OSHA

identified as probable, possible or confirmed human carcinogen by NTP.

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 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.

**Synergistic Effects:**

No data available.

**Additional Information:**

No data available.

## 12. ECOLOGICAL INFORMATION

**Toxicity**

EC50: 42.4 mg/L - 48 h (*Daphnia*)

**Persistence and Degradability**

No data available.

**Bioaccumulative 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**

Harmful to aquatic life with long lasting effects.

## 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.

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

## 14. TRANSPORT INFORMATION

<b>DOT:</b>	Not considered dangerous goods
<b>IMDG:</b>	Not considered dangerous goods
<b>IATA:</b>	Not considered dangerous goods

## 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.
OSHA Hazards:	
Aggravated Medical Conditions:	May cause nervous system disturbances.
Symptoms of Overexposure:	N/A
Inhalation:	Harmful if inhaled. May cause respiratory 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:	Component(s)	CAS-No.
	Guanidine thiocyanate	593-84-0
	Water	7732-18-5
Pennsylvania RTK:	Guanidine thiocyanate	593-84-0
	Water	7732-18-5

Trade Name: MRLB Buffer

Rhode Island RTK:

Guanidine thiocyanate  
Water

593-84-0  
7732-18-5

## 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: RW1 Buffer

## 1. IDENTIFICATION OF PRODUCT AND COMPANY

**Product Name:** RW1 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:

OSHA Hazards:	Harmful by inhalation, harmful by ingestion, harmful in contact with skin
---------------	---

Health Hazards:	Acute toxicity, inhalation	Category 4
	Acute toxicity, oral	Category 4
	Acute toxicity, dermal	Category 4
	Acute aquatic toxicity	Category 3
	Chronic acute toxicity	Category 3

Trade Name: RW1 Buffer

## GHS Label Element:

Hazard Symbol:



Signal word:

Warning

## Hazard Statements:

H412 – Harmful to aquatic life with long lasting effects.  
H302 - Harmful if swallowed.  
H312 - Harmful in contact with skin.  
H332 - Harmful if inhaled.

## Precautionary Statements:

P261 - Avoid breathing dust/fumes/gas/mist/vapors/spray.  
P311 - Call a POISON CENTER or doctor/physician. P280 -  
Wear protective gloves/protective clothing/eye  
protection/face protection.  
P301 + P312 - IF SWALLOWED: Call a POISON CENTER or  
doctor/ physician.  
P304 + P340 - IF INHALED: Remove person to fresh air and  
keep in a position comfortable for breathing.

## 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.

Trade Name: RW1 Buffer

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.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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

**Synonyms/Common Names** Guanidinium thiocyanate, Guanidinium rhodanide, Guanidinium isothiocyanate, Guanidine isothiocyanate

Chemical Name	CAS No.	Concentration (%)
Guanidine thiocyanate CH <sub>5</sub> N <sub>3</sub> . CHNS	593-84-0	25-50%

### 4. FIRST AID MEASURES

<b>General Advice:</b>	Exit to a safe area. Consult a physician. Seek medical attention.
<b>If Inhaled:</b>	Move to fresh air. If not breathing, give artificial respiration. Seek medical attention.
<b>In Case of Skin Contact:</b>	Exit to safe area. Wash thoroughly with soap and water. Seek medical attention
<b>In Case of Eye Contact:</b>	Flush eyes with clean water for a minimum of 15 minutes, keeping eyes open. Seek medical attention.
<b>If Swallowed:</b>	Rinse mouth with water. Never give anything by mouth to an unconscious person. Seek medical attention.
<b>Most Important Symptoms and Effects, Acute, and Delayed:</b>	May cause pain, irritation or redness, and watering of eyes.

Trade Name: RW1 Buffer

**Recommendations for Immediate Medical Attention and Special Treatment:** N/A

## 5. FIREFIGHTING MEASURES

**Conditions of Flammability:** Not flammable or combustible.

**Suitable Extinguishing Media:** Dry powder, CO<sub>2</sub>, water spray or regular foam.

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

**Hazardous Combustion Products:** Carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO<sub>x</sub>), sulfur oxides (SO<sub>x</sub>).

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

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear respiratory protection when ventilation is inadequate. 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.

Trade Name: RW1 Buffer

**Conditions for Safe Storage:**

Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from light and moisture. Do not store near acids.

**Incompatible Products:**

Strong oxidizing agents.

## 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.

**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



Trade Name: RW1 Buffer

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form

Liquid

Color

Colorless

### Odor

No data available

### Odor Threshold

No data available

### pH

5.0-7.0

### 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

### 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:

No data available.

### Conditions to Avoid:

Heating, flames, sparks.

Trade Name: RW1 Buffer

**Materials to Avoid:**

Strong oxidizing agents, strong acids, inorganic salts, chlorinated compounds.

**Hazardous Decomposition Products:**

Carbon oxides (COx), sulfur oxides (SOx), nitrogen oxides (NOx).

## 11. TOXICOLOGICAL INFORMATION

**Information on Likely Routes of Exposure:**

Inhalation:

Harmful if inhaled. May cause respiratory tract irritation.

Ingestion:

Harmful if swallowed.

Skin:

Harmful if absorbed through skin. May cause skin irritation.

Eyes:

May cause eye irritation.

**Information on Toxicological Effects:**

**Acute Toxicity:**

Oral LD50:

593 mg/kg (Rat)

Inhalation LC50:

No data available

Dermal LD50:

No data available.

Other Information:

Peritoneal LD50: 300 mg/kg (Mouse).

Skin Corrosion/Irritation:

No data available

Serious Eye Damage/Irritation:

No data available

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 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

Trade Name: RW1 Buffer

OSHA

identified as probable, possible or confirmed human carcinogen by NTP.

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 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.

**Synergistic Effects:**

No data available.

**Additional Information:**

No data available.

## 12. ECOLOGICAL INFORMATION

**Toxicity**

EC50: 42.4 mg/L - 48 h (*Daphnia*)

**Persistence and Degradability**

No data available.

**Bioaccumulative 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**

Harmful to aquatic life with long lasting effects.

## 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.

Trade Name: RW1 Buffer

## Contaminated Packaging

Disposal must be made according to official regulations.

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

## 14. TRANSPORT INFORMATION

**DOT:**

Not considered dangerous goods

**IMDG:**

Not considered dangerous goods

**IATA:**

Not considered dangerous goods

## 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.

OSHA Hazards:

Aggravated Medical Conditions:

May cause nervous system disturbances.

Symptoms of Overexposure:

N/A

Inhalation:

Harmful if inhaled. May cause respiratory 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:

Component(s)	CAS-No.
Guanidine thiocyanate	593-84-0
Water	7732-18-5
Guanidine thiocyanate	593-84-0
Water	7732-18-5

Pennsylvania RTK:

Trade Name: RW1 Buffer

Rhode Island RTK:

Guanidine thiocyanate  
Water

593-84-0  
7732-18-5

## 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: RW2 Buffer

## 1. IDENTIFICATION OF PRODUCT AND COMPANY

**Product Name:** RW2 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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<b>Hazard Statements:</b>	Not a hazardous substance or mixture.
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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Substance or Mixture:</b>	Mixture of non-hazardous substances.
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Trade Name: RW2 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 combustable

**Suitable Extinguishing Media:** Dry powder, CO<sub>2</sub>, 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: RW2 Buffer

## 6. ACCIDENTAL RELEASE MEASURES

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

## 7. HANDLING AND STORAGE

<b>Precautions for Safe Handling:</b>	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.
<b>Conditions for Safe Storage:</b>	Keep container tightly closed in a dry, well-ventilated place.
<b>Incompatible Products:</b>	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:

<b>Hand Protection:</b>	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.
<b>Eye Protection:</b>	Use a face shield and/or safety goggles when handling this product. Use eyewear that has been approved by NIOSH.
<b>Skin and Body Protection:</b>	Wear appropriate laboratory attire when handling this product,



Trade Name: RW2 Buffer

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

**Vapor Pressure:** No data available

Trade Name: RW2 Buffer

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

## 10. STABILITY AND REACTIVITY

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

Trade Name: RW2 Buffer

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.

<b>Reproductive Toxicity:</b>	No data available
<b>Teratogenicity:</b>	No data available
<b>Specific Target Organ Toxicity – Single Exposure:</b>	No data available
<b>Specific Target Organ Toxicity – Repeated Exposure:</b>	No data available
<b>Aspiration Hazard:</b>	No data available
<b>Signs and Symptoms of Exposure:</b>	No data available
<b>Synergistic Effects:</b>	No data available
<b>Additional Information:</b>	None known

## 12. ECOLOGICAL INFORMATION

<b>Toxicity</b>	No data available
<b>Persistence and Degradability</b>	No data available
<b>Bioaccumulative Potential</b>	No data available
<b>Mobility in Soil</b>	No data available

Trade Name: RW2 Buffer

**PBT and vPvB Assessment**  
**Other Adverse Effects**

No data available  
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.

## 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.