



**BIOMEME, INC.**  
**Safety Data Sheet**

**BWB - Biomeme Wash Buffer**

---

**SECTION 1: Identification**

**1.1 Product identifier**

Product name	BWB - Biomeme Wash Buffer
Brand	Biomeme, Inc.

**1.4 Supplier's details**

Name	Biomeme, Inc.
Address	1015 Chestnut Street Suite 1401 Philadelphia PA 19107 USA
Telephone	267-930-7707
email	support@biomeme.com

---

**SECTION 2: Hazard identification**

**General hazard statement**

"Consumer Products", as defined by the US Consumer Product Safety Act and which are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product.

**2.1 Classification of the substance or mixture**

**GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)**

- Acute toxicity, inhalation, Cat. 4
- Specific target organ toxicity (repeated exposure), Cat. 2
- Flammable liquids, Cat. 2
- Eye damage/irritation, Cat. 1
- Hazardous to the aquatic environment - long-term hazard, Cat. 3

**2.2 GHS label elements, including precautionary statements**

**Pictogram**



**Signal word**

**Warning**

# Safety Data Sheet

## BWB - Biomeme Wash Buffer

### Hazard statement(s)

H225	Highly flammable liquid and vapor
H318	Causes serious eye damage
H332	Harmful if inhaled
H373	May cause damage to organs [organs] through prolonged or repeated exposure [route]
H412	Harmful to aquatic life with long lasting effects

### Precautionary statement(s)

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor/... if you feel unwell.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P314	Get medical advice/attention if you feel unwell.
P501	Dispose of contents/container to ...
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/.../ equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P280	Wear protective gloves/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P370+P378	In case of fire: Use ... to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor/...

### 2.3 Other hazards which do not result in classification

Slip hazard from spills

---

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

##### 1. Component 1 (trade secret)\*

Concentration	0 - 20 % (volume)
- Acute toxicity, inhalation, Cat. 4	
- Specific target organ toxicity, repeated exposure, Cat. 2	
H332	Harmful if inhaled
H373	May cause damage to organs [organs] through prolonged or repeated exposure [route]

##### 2. Component 2 (trade secret)\*

Concentration	20 - 80 % (volume)
---------------	--------------------

##### 3. Component 3 (trade secret)\*

Concentration	10 - 90 % (volume)
- Flammable liquids, Cat. 2	
H225	Highly flammable liquid and vapor

# Safety Data Sheet

## BWB - Biomeme Wash Buffer

### 4. Component 4 (trade secret)\*

Concentration 0 - 20 % (volume)

### 5. Component 5 (trade secret)\*

Concentration 0 - 20 % (volume)

- Eye damage/irritation, Cat. 1

- Hazardous to the aquatic environment, long-term (chronic), Cat. 3

H318 Causes serious eye damage

H412 Harmful to aquatic life with long lasting effects

### Trade secret statement (OSHA 1910.1200(i))

\*The specific chemical identities and/or actual concentrations or actual concentration ranges for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

---

## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

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

If inhaled Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.

Acute and delayed symptoms and effects: May cause respiratory irritation. Signs/symptoms may include burning pain in the nose and throat, coughing, wheezing, shortness of breath and pulmonary edema.

In case of skin contact Take off immediately all contaminated clothing. Rinse skin with water/shower for at least 15 minutes. Call a poison center or doctor if irritation develops or persists. Wash contaminated clothing before reuse.

In case of eye contact Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.

If swallowed Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Never give anything by mouth to an unconscious person.

Acute and delayed symptoms and effects: Harmful if swallowed. Causes burns to nose, mouth, throat, and digestive tract. Signs/symptoms may include severe mouth, throat and abdominal pain, nausea, vomiting, and diarrhea, blood in the feces and/or vomitus may also be seen.

### 4.2 Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

No data available.

## **SECTION 5: Fire-fighting measures**

### **5.1 Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### **5.2 Specific hazards arising from the chemical**

Carbon oxides

-----

Carbon oxides, Nitrogen oxides (NOx), Sodium oxides

-----

Hydrogen chloride gas, Sodium oxides

### **5.3 Special protective actions for fire-fighters**

Avoid any skin contact. Effects of contact or inhalation may be delayed. Fire may produce irritating, corrosive and/or toxic gases. Runoff from fire control or dilution water may be corrosive and/or toxic and cause pollution. Wear positive pressure self-contained breathing apparatus (SCBA). Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection. Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.

#### **Further information**

Use water spray to cool unopened containers. Spills produce extremely slippery surfaces.

---

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Warning: Do not touch or walk through spilled material. Spills can create very slippery surfaces. Wear respiratory protection if necessary. Avoid breathing gas, mist, vapors, or spray. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

### **6.2 Environmental precautions**

Do not contaminate water.

### **6.3 Methods and materials for containment and cleaning up**

Stop leak if you can do it without risk. Sweep up and shovel into suitable containers for disposal.

#### **Reference to other sections**

For disposal see section 13.

---

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

Surfaces are very slippery from this product. Do not swallow. Do not breathe mist, vapors, or spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. See Section 8 for information on Personal Protective Equipment.

### **7.2 Conditions for safe storage, including any incompatibilities**

Freezing will adversely affect the quality of the product. Store locked up. Keep away from heat and sources of ignition. Store away from incompatible materials. See Section 10 for information on Incompatible Materials. Keep out of the reach of children.

#### **Specific end use(s)**

Apart from the uses mentioned in section 1 no other specific uses are stipulated.

# Safety Data Sheet

## BWB - Biomeme Wash Buffer

---

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### 1. Component 3 (trade secret)\*

PEL (Inhalation): 1000 ppm (OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): 1900 mg/m<sup>3</sup> (OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): 1000 ppm (Cal/OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

REL (Inhalation): 1000 ppm (NIOSH)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

TLV® (Inhalation): (ST) 1000 ppm; USA (ACGIH)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### 8.2 Appropriate engineering controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

#### 8.3 Individual protection measures, such as personal protective equipment (PPE)

##### Pictograms



##### Eye/face protection

Tightly fitting safety goggles. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Ensure that eyewash stations and/or safety showers are close to the workstation location if working with concentrated product.

##### Skin protection

Wear protective gloves, such as PVC or other plastic material. Consult manufacturer specifications for further information.

##### Body protection

Wear protective clothing. Clothing with full length sleeves and pants should be worn. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### Thermal hazards

No data available.

##### Environmental exposure controls

Do not let product enter drains.

# Safety Data Sheet

## BWB - Biomeme Wash Buffer

---

### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Colorless liquid
Odor	No data available.
Odor threshold	No data available.
pH	No data available.
Melting point/freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	No data available.
Solubility(ies)	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.
Explosive properties	No data available.
Oxidizing properties	No data available.

#### Other safety information

No data available.

---

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

Contact with incompatible materials. Sources of ignition. Exposure to heat.

#### 10.2 Chemical stability

Stable under normal storage conditions.

#### 10.3 Possibility of hazardous reactions

No data available.

#### 10.4 Conditions to avoid

Heat, flames and sparks. Incompatible products. Keep away from open flames, hot surfaces and sources of ignition.

#### 10.5 Incompatible materials

-----

Strong oxidizing agents

-----

Oxidizing agents, Soluble carbonates and phosphates, Hydroxides, Metals, Peroxides, permanganates, e.g. potassium permanganate, Amines, Alcohols, Nitric acid

-----

Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids

-----

Alkali metals, Oxidizing agents, Peroxides

# Safety Data Sheet

## BWB - Biomeme Wash Buffer

### 10.6 Hazardous decomposition products

Thermal decomposition may produce: nitrogen oxides, carbon oxides, sulfur oxides, hydrogen cyanide

-----

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NO<sub>x</sub>)

Other decomposition products - No data available

In the event of fire: see section 5

-----

Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - No data available

In the event of fire: see section 5

---

## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

Component 3

LD50 Oral - Rat - 10,470 mg/kg

Component 3

LD50 Skin - Rabbit - 15,800 mg/kg

Component 3

LD50 Inhalation - Rat - 30,000 mg/l - 4 h

Component 1

LD50 Oral - Rat - >2,000 mg/kg

ATE (inhalation, gaseous) of mixture: 22500 ppmv

Component 3: ACGIH: A3 Confirmed animal carcinogen with unknown relevance to humans.

#### Skin corrosion/irritation

Information on the product as supplied:

Causes severe skin burns. Signs/symptoms may include localized redness, swelling, itching, intense pain, blistering, ulceration, and tissue destruction.

Component 3

LD50 Skin - Rabbit - 15,800 mg/kg

OECD Test Guideline 404 Skin - Rabbit - 24 h

Result: No skin irritation

#### Serious eye damage/irritation

Information on the product as supplied:

Causes serious eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Component 3

OECD Test Guideline 405 Eyes - Rabbit

Result: Moderate eye irritation

#### Respiratory or skin sensitization

No data available.

# Safety Data Sheet

## BWB - Biomeme Wash Buffer

### Germ cell mutagenicity

No data available.

### Carcinogenicity

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

### Reproductive toxicity

No data available.

### STOT-single exposure

No data available.

### STOT-repeated exposure

No data available.

### Aspiration hazard

No data available.

### Additional information

No data available.

---

## SECTION 12: Ecological information

### Toxicity

No data available on product

### Persistence and degradability

No data available on product

### Bioaccumulative potential

No data available on product

### Mobility in soil

No data available on product

### Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

---

## SECTION 13: Disposal considerations

### Disposal of the product

Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.



# Safety Data Sheet

## BWB - Biomeme Wash Buffer

**Disposal of contaminated packaging**  
Dispose of as unused product.

---

### SECTION 14: Transport information

#### DOT (US)

UN Number:  
Class:  
Packing Group:  
Proper Shipping Name:  
Reportable quantity (RQ):  
Marine pollutant:  
Poison inhalation hazard:

#### IMDG

UN Number:  
Class:  
Packing Group:  
EMS Number:  
Proper Shipping Name:

#### IATA

UN Number:  
Class:  
Packing Group:  
Proper Shipping Name:

---

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations specific for the product in question

##### SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

##### SARA 311/312 Hazards

Acute Health Hazard

##### SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

##### Massachusetts Right To Know Components

CAS number: 64-17-5

##### Pennsylvania Right To Know Components

CAS number: 64-17-5  
CAS number: 7647-14-5  
CAS number: 6381-92-6  
CAS number: 7732-18-5

##### New Jersey Right To Know Components

CAS number: 6381-92-6  
CAS number: 7732-18-5  
CAS number: 64-17-5  
CAS number: 7647-14-5

##### California Prop. 65 Components

WARNING! This product contains a chemical known to the State of California to cause cancer.

**Safety Data Sheet**  
**BWB - Biomeme Wash Buffer**

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

CAS number: 64-17-5:

---

**SECTION 16: Other information**

**16.1 Further information/disclaimer**

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Biomeme, Inc. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Biomeme, Inc. has been advised of the possibility of such damages.