

## Material Safety Data Sheet



33210 Central Ave.

Union City, CA 94587 USA

(888) 529-9246 • (510) 494-8900 • Fax: (510) 494-0700 • [www.axygenbio.com](http://www.axygenbio.com)

### 1. Identification of substance

#### *Product details*

- **Trade name:** Buffer W2
- **MSDS No.:** BW2

### 2. Composition/Data on components

#### *Chemical characterization*

- **Description:** Mixture of the substances listed below with non-hazardous additions.
- **Dangerous components:** Void

### 3. Hazards identification

- **Hazard description:** Not applicable.
- **Information pertaining to particular dangers for man and environment:** Not applicable.
- **Classification system:** The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- **NFPA ratings (scale 0-4):**

Health = 0

Fire = 0

Reactivity = 0

- **WHMIS-ratings (scale 0-4):**

Health = 0

Fire = 0

Reactivity = 0

### 4. First aid measures

- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air. Consult a physician if symptoms appear/persist.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse affected eye opened for several minutes under running water. Consult a physician.
- **After swallowing:** Immediately seek medical advice/assistance.

### 5. Fire fighting measures

- **Suitable extinguishing agents:** CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** Do not inhale explosion gases or combustion gases.

### 6. Accidental release measures

- **Person-related safety precautions:** Ensure adequate ventilation

- **Measures for environmental protection:** Do not allow to enter sewers/surface or ground water.
- **Measures for cleaning/collecting:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Additional information:** No dangerous substances are released.

## 7. Handling and storage

### **Handling**

Information for safe handling: No special measures required.

Information about protection against explosions and fires: No special measures required.

### **Storage**

- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Class according to regulation on flammable liquids:** Void

## 8. Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

### **Components with limit values that require monitoring at the workplace**

- **Additional information:** The lists that were valid during the creation were used as basis.

### **Personal protective equipment**

- **General protective and hygienic measures:** The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not required.
- **Protection of hands:** Protective gloves
- **Eye protection:** Tightly sealed goggles

## 9. Physical and chemical properties

- **Form:** Fluid
- **Color:** Colorless
- **Odor:** Characteristic

### **Value/Range Unit Method**

#### **Change in condition**

- **Melting point/melting range:** Undetermined.
- **Boiling point/boiling range:** 100°C
- **Flash point:** Not applicable.
- **Auto ignition:** Product is not self-igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Vapor pressure:** at 20°C 23 hPa
- **Density at 20°C:** 0.99 g/cm<sup>3</sup>
- **Solubility in water:** Fully soluble.
- **pH value at 20°C:** 8.0

## 10. Stability and reactivity

- **Thermal decomposition/conditions to be avoided:**

No decomposition if used according to specifications.

- **Dangerous reactions:** Reacts with acids, alkalis and oxidizing agents.
- **Dangerous products of decomposition:** Danger of toxic pyrolysis products.

## 11. Toxicological information

### *Acute toxicity*

#### *Primary irritant effect*

- **On the skin:** Irritant to skin and mucous membranes.
- **In the eyes:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:** The product is not subject to classification according to internally approved calculation methods for preparations:

## 12. Ecological information

### *General notes*

- **Water Hazard Class 1 (Self-assessment):** Slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## 13. Disposal considerations

- **Product recommendation:** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

## 14. Transport information

### *DOT regulations*

- **Hazard class:** -

### *Land transport ADR/RID (cross-border)*

- **ADR/RID class:** -

### *Maritime transport IMDG*

- **IMDG Class:** -
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -15

## 15. Regulations

- **TSCA (Toxic Substances Control Act):** All ingredients are listed.

### *Proposition 65*

- **Chemicals known to cause cancer:** None of the ingredients is listed.
- **Chemicals known to cause reproductive toxicity:** None of the ingredients is listed.
- **Product related hazard information:**

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations according to directives on hazardous materials.

### *National regulations*

- **Classification according to VbF:** Void

***Water hazard class***

- **Water Hazard Class 1 (Self-assessment):** Slightly hazardous for water.

**16. Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.